

Prefeitura Municipal de Cláudia
Referente: Pregão Presencial Nº 024/2017
Abertura: Dia 19 de Abril de 2017 às 08:00 Horas
OBJETO: REGISTRO DE PREÇOS PARA FUTURA E EVENTUAL AQUISIÇÃO DE COMPUTADORES, IMPRESSORAS, E OUTROS EQUIPAMENTOS E MATERIAIS DE INFORMÁTICA PARA SUPRIR AS NECESSIDADES DAS SECRETARIAS MUNICIPAIS DO MUNICÍPIO DE CLÁUDIA/MT.

IDENTIFICAÇÃO DA PROPONENTE

Nome de Fantasia: DATA MANAGER PRESTADORA DE SERVIÇOS DE INFORMÁTICA	
Razão Social: DATA MANAGER PRESTADORA DE SERVIÇOS DE INFORMÁTICA	
CNPJ: 19.707.627/0001-05	Optante pelo SIMPLES? Sim
Insc. Est.: 13.530.720-1	
Endereço: Avenida Dom Bosco Nº 1.059	
Bairro: CENTRO	Cidade: CUIABA / MATO GROSSO
CEP: 78.020-050	E-MAIL: licitacao@dtmanager.com.br
Telefone: (65) 3044-0671 (65) 99296-5586	Fax: (65) 3044-0671
Banco: Brasil Nº 001	Conta Bancária: 160160-1
Agência: Nº 0046-9	
Nome do Representante Legal: Edirley Pereira da Silva	
RG: 0992.659-3 SSP/MT CHN 0226645302 DETRAN/MT	CPF: 626.854.731-49

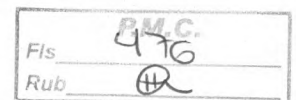
CONDIÇÕES DE PARTICIPAÇÃO

A Empresa DATA MANAGER PRESTADORA DE SERVIÇOS DE INFORMÁTICA declara que estão inclusas no valor cotado todas as despesas com mão de obra e, bem como, todos os tributos e encargos fiscais, sociais, trabalhistas, previdenciários e comerciais e, ainda, os gastos com transporte. * Validade da Proposta: 60 (sessenta) dias. * Prazo de entrega e Pagamento: Conforme cronograma anexo Obs.: Serão desclassificadas as propostas que apresentarem cotações contendo preços excessivos, simbólicos, de valor zero ou inexequíveis, na forma da legislação em vigor, ou ainda, que ofereçam preços ou vantagens baseadas nas ofertas dos demais licitantes.


- Validade da Proposta: Conforme o Edital (60 Dias)
- Prazo de Entrega: Conforme o Edital
- Garantia: Conforme o Edital
- Condições de Pagamento: Conforme o Edital
- Declaramos que na proposta estão incluídas, as incidências fiscais, encargos, seguros, tributos de qualquer natureza ou espécie e quaisquer outras despesas, necessárias ao perfeito atendimento do objeto desta licitação
- Declaramos que, caso vencedor, teremos disponibilidade para realizar a entrega dos materiais nos prazos solicitados no edital e seus anexos.
- Banco do Brasil
- Agência 0046-9
- Conta Corrente 160160-1

Sem mais para o momento,

Atenciosamente,



Cuiabá-MT, 19 de Abril de 2017


Edirley Pereira da Silva
Procurador
CPF: 626.854.731-49 RG: 0992.659-3 SSP/MT
CNH: 02266425302 DETRAN/MT
Fone: (65) 3044-0671
E-mail: licitacao@dtmanager.com.br

CNPJ: 19 707 627/0001-05
INSC. EST.: 13.530.720-1
DATA MANAGER PRÉST. SERV.
DE INFORMÁTICA LTDA - ME
Av. Dom Bosco, Nº. 1059
Centro Sul
CEP: 78020-050

CUIABA

DATA MANAGER

CNPJ: 19.707.627/0001-05
Insc. Estadual: 13.530.720-1
☎ Fone: +55(65)3044-0671
✉ licitacao@dtmanager.com.br

Prefeitura Municipal de Cláudia
Referente: Pregão Presencial Nº 024/2017
Abertura: Dia 19 de Abril de 2017 às 08:00 Horas
OBJETO: REGISTRO DE PREÇOS PARA FUTURA E EVENTUAL AQUISIÇÃO DE COMPUTADORES, IMPRESSORAS, E OUTROS EQUIPAMENTOS E MATERIAIS DE INFORMÁTICA PARA SUPRIR AS NECESSIDADES DAS SECRETARIAS MUNICIPAIS DO MUNICÍPIO DE CLÁUDIA/MT.


DECLARAÇÃO DE GARANTIA

A empresa DATA MANAGER PRESTADORA DE SERVIÇOS DE INFORMÁTICA, CNPJ nº 19.707.627/0001-05, sediada na Avenida: Dom Bosco Nº 1059 – Centro - CEP: 780020-050 – Cuiabá/MT, em atendimento ao previsto em Edital de Pregão Presencial Nº 024/2017 por intermédio desse documento, DECLARA que:

- I – A Garantia conforme edital.
- II – Declaramos que os equipamentos a serem entregues obedecem à estipulação do presente edital.
- III – Nos Responsabilizamos e garantimos a entrega dos equipamentos no prazo, quantidade e qualidade estabelecidas no Edital.
- IV – Declaramos Inexistência de fato de qualquer natureza, impeditivo à participação no presente procedimento licitatório,
- V – A Garantia do produto ofertado será prestado através da nossa empresa com reserva técnica dos produtos ofertados
- VI - Declaramos que aceitamos os acréscimos ou supressões até o limite de 25% (vinte e cinco por cento) sobre as quantidades individuais registradas, de acordo com o disposto no § 1º do artigo 65 da Lei nº 8.666/93, caso venha a ser considerada vencedora do certame;

Sem mais para o momento

Atenciosamente,



Edirley Pereira da Silva
Procurador

CPF: 626.854.731-49 RG: 0992.659-3 SSP/MT
CNH: 02266425302 DETRAN/MT
Fone: (65) 3044-0671
E-mail: licitacao@dtmanager.com.br

Cuiabá-MT, 19 de Abril de 2017

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[CNPJ: 19 707 627/0001-05]
INSC. EST.: 13.530.720 - 1
DATA MANAGER PREST. SERV.
DE INFORMÁTICA LTDA - ME
Av. Dom Bosco, Nº. 1059
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CEP. 78020-050
CUIABÁ - MT.

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ESTADO DE MATO GROSSO
PREFEITURA MUNICIPAL DE CLAUDIA

CNPJ: 01.310.499/0001-04

PROPOSTA DE PREÇOS
Pregão 00024 / 2017

CNPJ: 19.707.627/0001-051
INSC. EST.: 13.530.720-1
DATA MANAGER PREST. SERV.
DE INFORMATICA LTDA - ME
Av. Dom Bosco, Nº. 1059
Centro Sul
CEP. 78020-050

CEIABA MT.

Participante: 00000000 DATA MANAGER PRESTADORA DE SERVIÇOS DE INFORMATICA

CNPJ / CPF: 19.707.627/0001-05

Endereço: AVENIDA: DOM BOSCO

Bairro: CENTRO SUL

Cidade: CUIABA

Tipo de licitação: Menor Preço

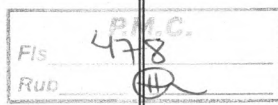
Local de abertura: PREFEITURA MUNICIPAL DE CLAUDIA

Prazo de entrega: 19/04/2017

Condição de pagamento: EM ATE 30 DIAS.

Objeto: AQUISICAO DE COMPUTADORES, IMPRESSORAS E OUTROS EQUIPAMENTOS E EMATERIAIS DE INFORMATICA PARA SUPRIR AS NECESSIDADES DAS SE. MUNICIPAIS DO MUNICIPIO DE CLAUDIA.

Lote: 1 - AQUISIÇÃO DE COMPUTADORES, IMPRESSORAS E OUTROS EQUIPAMENTOS.



Código	Descrição	Marca	Unidade	Quantidade	Valor unit. R\$	% Desc.	Valor total R\$
27459	HD EXTERNO CAPACIDADE 1TB	WESTER DIGITAL	UNIDADE	5,0000	440,0000	0	2.200,0000
33690	DISCO RIGIDO DE 1000GB, 7200RP, SATA III, 6GB/S, WESTER DIGITAL MEMORIA CACHE 64MB		UNIDADE	17,0000	430,0000	0	7.310,0000
33691	FONTE ATX: 230 WATTS RMS, ATX 24 PINOS, EFICIENCIA MYMAX MINIMA 70%		UNIDADE	25,0000	97,0000	0	2.425,0000
33693	IMPRESSORA LASER MONOCROMATICA, VELOCIDADE BROTHER IMPRESSAO EM PRETO, ATE 18 PPM MEMORIA PADRAO, 2MB CICLO DE PRODUTIVIDADE ATE 5000 PG		UNIDADE	17,0000	1.195,0000	0	20.315,0000
33694	MOUSE OPTICOS COM 3 BOTOES USB, COR PRETA K-MEX FOSCA OU BRILHANTE, 3 BOTOES SCROLL VERTICAL SENSOR OPTICO INTERFACE USB V2.0 ERGONOMIA PARA DESTROS E CANHOTOS		UNIDADE	44,0000	53,0000	0	2.332,0000
33697	PLACA DE REDE GIGABIT VELOCIDADE 10/100/1000, 32 TP LINK BIT, COMPATIVEL COM IEEE 802.3X, INTERFACE PCIe, SUPORTE A WAKE ON LAN, SUPORTE A CODIFICACAO IEEE 802.1p		UNIDADE	25,0000	89,0000	0	2.225,0000
33698	TECLADO USB ABNT2-COR PRETA FOSCO OU K-MEX BRILHANTE- COMPRIMENTO DO CABO NO MINIMO 1,5mts.		UNIDADE	44,0000	43,0000	0	1.892,0000
33706	CABO DE REDE CATEGORIA 5e, 4 PARES TRANÇADOS, MPT 24AWG CABO BLINDADO		UNIDADE	2.200,0000	3,1000	0	6.820,0000
33712	WEBCAM COM RESOLUCAO EFETIVA DE 720 PIXELS, GENIUS QUALIDADE DE IMAGEM HD 720P COM CONEXAO USB 2.0 DE ALTA VELOCIDADE		UNIDADE	3,0000	365,0000	0	1.095,0000

ESTADO DE MATO GROSSO
PREFEITURA MUNICIPAL DE CLAUDIA

CNPJ: 01.310.499/0001-04

UNIDADE	UNIDADE	UNIDADE	UNIDADE	UNIDADE	UNIDADE	UNIDADE	UNIDADE	UNIDADE	UNIDADE
39071	COMPUTADOR, PROCESSADOR 8 NUCLEOS REAIS COM DTM AMD FX TECNOLOGIA DE VIRTUALIZAÇÃO E PROCESSAMENTO DE 3.0GHZ POR NUCLEO COM CACHE L3 8MB	33.0000	3.180.0000	0	104.940.0000				
39072	IMPRESSORA LASER MONOCROMÁTICA SAMSUNG MULTIFUNCIONAL, IMPRESSAO, COPIA, DIGITALIZACAO COLORIDA VOLUME DE COPIA MENSAL 2000 A 6000	10.0000	5.500.0000	0	55.000.0000				
39073	NO BREAK 800VA BIVOLT, PRETO-POTENCIA NOMINAL TS SHARA 800VA. CONEXOES DE SAIDA 6 TOMADAS TRIPOLARES, TIPO DE CONEXAO DE ENTRADA IISV 1230V NO MINIMO 4 ESTAGIOS DE REGULACAO, AUTONOMIA DE NO MINIMO 25 MINUTOS.	17.0000	640.0000	0	10.880.0000				
39074	NOTEBOOK- PROCESSADOR 8 NUCLEOS REAIS COM ACER TECNOLOGIA DE VIRTUALIZACAO E PROCESSAMENTO DE 2.6 GHZ POR NUCLEO COM CACHE L3 6MB DISCO RIGIDO HD 1000GB 7200 RPM SATA	9.0000	4.220.0000	0	37.980.0000				
39075	SWITCH GIGABIT DE MESA OU MONTAVEL EM RACK DE HPE 24 PORTAS	4.0000	1.767.0000	0	7.068.0000				
39076	SWITCH GERENCIAVEL DE NO MINIMO 48 PORTAS HPE	5.0000	4.620.0000	0	23.100.0000				
39077	MONITOR TAMANHO DA TELA 19.5" ILUMINAÇÃO TIPO ACER LED, CONTRAST MINIMO	7.0000	700.0000	0	4.900.0000				
39078	CAMERA FOTOGRAFICA DE NO MINIMO 16.0 CANON MEGAPIXELS, ZOOM OTICO DE 30 X	3.0000	1.398.6000	0	4.195.8000				
39079	FONTE ATX, 450 WATTS, RMS, ATX 24 PINOS, EFICIENCIA MYMAX MINIMA 70%	10.0000	280.0000	0	2.800.0000				
39084	CAMERA FOTOGRAFICA DE NO MINIMO 14.0 NIKON MEGAPIXELS, ZOOM OTICO DE 30 X	3.0000	3.500.0000	0	10.500.0000				
39085	NO BREAK 3,2KVA BIVOLT, BIVOLT, 2 BATERIAS TS SHARA INTERNAS	4.0000	6.500.0000	0	26.000.0000				
39086	BATERIA ESTACIONARIA 240AH, COM FILTRO ANTI FREEDOM CHAMA	4.0000	2.800.0000	0	11.200.0000				
39087	IMPRESSORA MULTIFUNCIONAL LASER CONEXAO SAMSUNG PORTA USB 2.0	7.0000	1.890.0000	0	13.230.0000				
39088	SERVIDOR DE DADOS, GABINETE RACK PADRAO 19" 1 LENOVO OU 2 U DE ALTURA	2.0000	39.650.0000	0	79.300.0000				
Total por lote: R\$								437.707,8000	

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CNPJ: 19.707.627/0001-11
INSC. EST.: 13.530.720-1
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DE INFORMÁTICA LTDA - ME
Av. Dom Bosco, Nº. 1059
Centro Sul
CEP. 78020-050

CUIABÁ

ESTADO DE MATO GROSSO
PREFEITURA MUNICIPAL DE CLAUDIA
CNPJ: 01.310.499/0001-04

Observações:

Validade: 19/06/2017

Prazo de entrega: 19/05/2017

Total geral: R\$

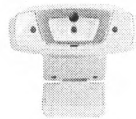
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[CNPJ: 19.707.627/0001-05]
INSC. EST.: 13.630.720-1
DATA MANAGER PREST. SERV.
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Av. Dom Bosco, Nº. 1059
Centro Sui
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CNPJ: 19 707 627/0001-05
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LightCam 1020

Home / Support / Product

FAQ	12
Downloads	
Register Device	
Feedback	

P.M.S.
 Fls 481
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FAQ

Search for... Go!

1. Does CrazyTalk work with Windows 8 or 10 or later version? ✓

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Answer ▶

Crazy Talk works with Windows 10 or previous versions but the Genius utility only works in Windows 7 or previous versions.

2. I bought the webcam, but I lost the license key for Arcsoft WCC4. I kept the CD. When I installed the program, I am asked for a license key. What is license key?

Answer ▶

Because of copyright regulation, we cannot offer you a new CD or license key. You can download a free chatting program from the internet. They all work with this webcam.

3. I have a webcam, when I installed the software, it is asking me to key in the password, what is the password?

Answer ▶

The software password is on the back cover of the CD envelope.

4. I lost the Webcam CD and would like to install CrazyTalk software for the cam. Where can I download it?

Answer ▶

CrazyTalk CD is a free bundled software in the package, you can download any kind of chat software or app from the internet.

They all work with with the webcam.

P.M.C.	
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5. Can I install the webcam on my Android tablet?

Answer ▶

If webcam is a plug-n-play device, no driver is required.

Check your webcam spec. and tablet if it is OTG or not, and your Android OS must be 4.2 or above.

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- Bottom right: A large, complex handwritten signature or scribble.
- Bottom center: Several smaller handwritten marks, including the letters 'A', 'B', and 'C'.

You also have to find an App that can transmit a video signal between the tablet and webcam.

6. My webcam is automatically adjusting the light that makes my cam lose the FPS, how can I turn off that auto adjustment?

Answer ▶

If you install Amcap (bundled software) or Skype, under property page you can turn the Auto EV off by the software.

7. Is there an updated Genius Utility driver (IPM) that can work with Windows 8.1?

Answer ▶

The product is a plug-n-play device, no driver is required. The software in the package is an application, it only works with Win7 and previous versions. Plug the webcam into the laptop first before you install the IPM program.

8. I am trying to install the camera, people can see me but I cannot see them. How do I fix this?

Answer ▶

Did you install the Genius IPM utility? If yes, turn off the function. If you did not install the bundled software, you should check Video Setting in the chat program and find out if your friend has turned off the function which causes you cannot see them. Also make sure the other webcams are normal.

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Sub	Q

9. The product doesn't work when I plug it in, I cannot find the driver on your website, where I can download it?

Answer ▶

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Check the Package Contents if the device requires a driver. If it doesn't, it is a plug and play device, no driver is required. Try a different laptop to see if it can be recognized or not. If the problem is the same, the device is broken.

10. What is your global warranty on your products? ▾

Answer ▶

Unfortunately, we do not offer global warranty on our products.

11. I bought a Genius product seven days ago. However, it cannot be turned on anymore. ▾

It is brand new, I bought it from Amazon, how do I get a replacement?

Answer ▶

Since it is still in the 30 day return period for Amazon, we suggest you return the defective unit to Amazon for exchange/refund. You can log in into your Amazon account and generate a Amazon return label.

12. We have some problems with your product. I need a service manual to check for potential problems, so can repair it ourselves. ▾

Answer ▶

Unfortunately, we do not provide technical manuals to end users, you can contact customer support for assistance.

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Product

Pen

Mouse

Keyboard

Headset

Speaker

Combo

Gaming

Support

Download

Warranty

About

About Genius

Privacy

Terms of use

Press Info

Contact

Offices

Support Center

Feedback

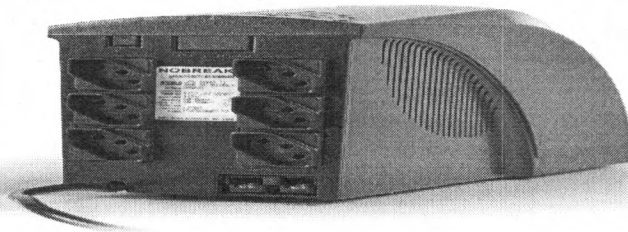
© 2017 Genius KYE System Corp

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NOBREAK UPS SOHO II 700, 800 E 1000VA

Os microprocessados da linha UPS Soho II possuem um design moderno e oferecem uma grande variedade de recursos tais como expansão de autonomia, comunicação inteligente USB e proteção para linha telefônica (consulte modelos disponíveis) e 6 tomadas tripolares. Com excelente relação custo-benefício, são indicados principalmente para configurações compostas por um microcomputador, um monitor e uma impressora (exceto laser). Podem ser utilizados também para alimentar outros equipamentos eletrônicos de pequena potência.



Características

- Topologia "Interativo convencional" (conforme NBR 15014:2003)
- Autoteste na inicialização
- Construído com microprocessador CISC/Flash
- Estabilizador de 16 estágios (modelo full-range)
- Estabilizador de 8 estágios (modelo mono)
- Filtro de linha
- 1 Bateria selada interna
- Expansão de autonomia com conector de engate rápido
- Carregador de baterias inteligente
- Tensões de entrada Monovolt 115V, Bivolt 115/220V ou Full-Range (consulte modelo e código na tabela abaixo)
- Tensões de saída 115V (Somente nos modelos de código: 334 / 335 / 4013 / 4014 / 4016 / 4017 / 4019 e 4021)
- Tensões de saída 220V (Somente no modelo de código: 402)
- Tensões de saída 115 e 220V (Somente no modelo de código: 4421)
- Alarme sonoro
- Circuito desmagnetizador

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- Função Blecaute: pode ser ligado na ausência de rede elétrica
- Inversor sincronizado com a rede
- Reconhecimento automático de 50Hz ou 60Hz
- Correção da tensão de saída em true-RMS
- Medição da tensão de entrada em true-RMS
- Freqüência de amostragem para medição true-RMS: 7680Hz (em rede 60Hz)
- 6 tomadas de saída padrão 2P+T
- Chave liga-desliga embutida e temporizada, impede desligamento acidental
- Comunicação inteligente USB
- Detecção eletrônica de sobrecargas e curtos-circuitos
- Acionamento do inversor em subtensão ou sobretensão
- Proteção contra descarga total das baterias
- Proteção para linha telefônica (fax, fax-modem)
- Proteção para LAN e Ethernet (apenas modelo LAN)
- Desligamento automático ao final do tempo de autonomia
- Autonomia típica de até 30 minutos (1 micro, 1 monitor LCD e 1 impressora a jato de tinta) com 80W de potência total
- Com bateria externa, autonomia típica de até 4 horas (1 micro, 1 monitor LCD 1 impressora a jato de tinta) com 80W de potência total

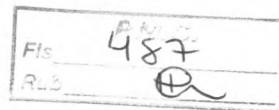
IMPORTANTE

A TS Shara não recomenda o uso do nobreak para os seguintes exemplos de equipamentos: liquidificadores, aspiradores de pó, eletrodomésticos, fornos de microondas, geladeiras, motores em geral e impressoras a laser. Não é indicado para equipamentos de sustentação de vida

Cuidado para não ultrapassar o limite de potência do nobreak.

APLICAÇÕES

- Microcomputadores
- Aparelhos eletrônicos e de telecomunicações



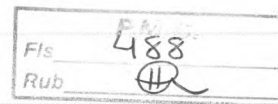
MODELOS DISPONÍVEIS

Código	Modelo	Engate Rápido	Proteção Fax	Potência (VA)	Tensão (V)	
					Entrada	Saída

334	UPS Soho II 800 1BS Mono 115V	sim	sim	800	115	115
335	UPS Soho II 800 1BS full-range	sim	sim	800	full-range	115
402	UPS Soho II 800 1BS full-range 220V	sim	sim	800	full-range	220
4013	UPS Soho II 700 1BS Mono 115V	não	não	700	115	115
4014	UPS Soho II 800 1BS Mono 115V	não	não	800	115	115
4016	UPS Soho II 700 1BS Bivolt	não	não	700	115/220	115
4017	UPS Soho II 800 1BS Bivolt	sim	não	800	115/220	115
4019	UPS Soho II 1000 1BS CE Monovolt	sim	não	1000	115	115
4021	UPS Soho II 1000 1BS Bivolt	sim	não	1000	115/220	115
4421	UPS Soho II 1000 1BS Bivolt	sim	não	1000	115/220	115/220

CARACTERÍSTICAS TÉCNICAS

Potência Máxima	800VA - 1000VA
Frequência em Rede (Hz)	50Hz ou 60Hz (+/- 5Hz) com Detecção Automática
Frequência em Inversor (Hz)	Frequência da Rede +/-1%
Fator de Potência	0,7
Tempo de Transferência (ms)	< 1 ms
Forma de Onda no Inversor	Semi-Senoidal (2)
Circuito Desmagnetizador	Sim
Rendimento em Rede	> 96%
Rendimento em Inversor	> 80%



Faixa de Regulação para Entrada 115V – 127V	84V – 148V (CA)
Faixa de Regulação para Entrada Full Range	84V – 250V (CA)
Tolerância na Tensão de Saída em Rede	Tensão Nominal de Saída +/- 6% (1)
Tolerância na Tensão de Saída em Inversor	Tensão Nominal de Saída +/- 6% (1)
Dimensões externas (mm)	190 x 140 x 355
Peso	7,3kg (mono) / 7,4kg (Full-Range)

Observações:

(1) Para medir corretamente a tensão de saída do Nobreak, utilize voltímetros true-RMS

(2) Forma de onda retangular PWM

ATENÇÃO:

As informações acima são configurações padrão e podem sofrer alterações e adequações técnicas sem prévio aviso para atender especificações de editais, licitações e cotações para demandas especiais.

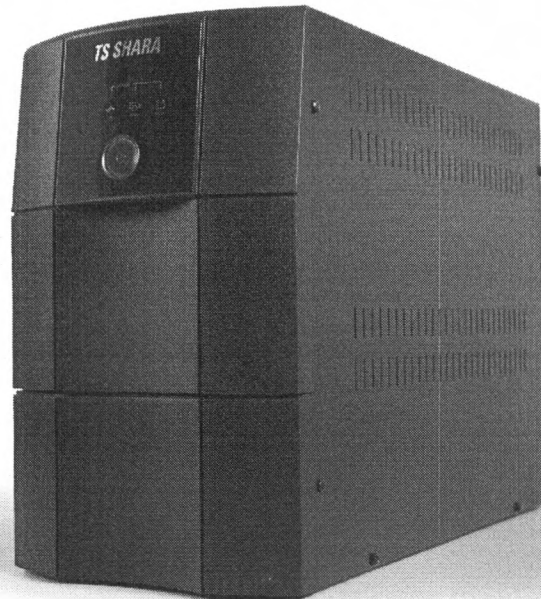
Caso necessite, contate a TS Shara e receba descritivo das viabilidades técnicas adequadas à especificação solicitada.

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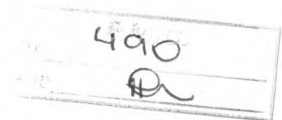
NOBREAK UPS PROFESSIONAL 3200VA

Os microprocessados da linha UPS Professional 3200 permitem o uso de baterias automotivas externas. Oferecem comunicação inteligente USB, proteção para linha telefônica e 12 tomadas tripolares. São indicados principalmente para configurações que necessitam de maior potência ou autonomia. Servidores, microcomputadores, equipamentos eletrônicos e de telecomunicações podem ser protegidos pelos Nobreaks desta linha.



CARACTERÍSTICAS

- Autoteste na inicialização
- Microprocessador Flash
- 12 tomadas de saída (8 tomadas de 10A e 4 tomadas de 20A NBR14136)
- Interface de gerenciamento USB
- Interface de gerenciamento RS232 (opcional)
- Software de gerenciamento inteligente
- Estabilizador de 16 estágios integrado



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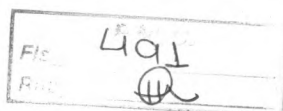
- Filtro de linha integrados
- Proteção contra subtensão e sobretensão
- Proteção contra sobrecarga e curto-circuito
- Proteção linha telefônica (Fax Modem) conector RJ11
- Chave liga e desliga temporizada e memorizada
- Função Blecaute – DC Start
- 2 baterias 12V/18Ah inclusas (Verifique modelos abaixo)
- Conector para 2 ou 4 baterias automotivas externas
- Autonomia de até 4 horas com baterias internas (1 microcomputador, 1 monitor e 1 impressora com 60W de potência total) Autonomia de até 12 horas com baterias externas (1 microcomputador, 1 monitor e 1 impressora com 60W de potência total)
- Garantia de 1 ano

APLICAÇÕES

- Microcomputadores e equipamentos de informática
- Aparelhos eletrônicos em geral

MODELOS DISPONÍVEIS

Modelos disponíveis				
Código	Modelo	Potência	Tensão	
			Entrada	Saída
4404	UPS Professional 3200 2BS/2BA full-range 115V	3200	Full Range	115V
4406	UPS Professional 3200 2BS/2BA full-range 220V	3200	Full Range	220V
4407	UPS Professional 3200 2BA Full-range 115V	3200	Full Range	115V
4408	UPS Professional 2200 2BA Full-range 220V	3200	Full Range	220V



Handwritten signatures and initials, including a large 'A' and a circled 'E'.

CARACTERÍSTICAS TÉCNICAS

	MODELO			
	Cod: 4404	Cod: 4406	Cod: 4407	Cod: 4408
Potência Máxima (VA)	3200			
Frequência em Rede (Hz)	50Hz ou 60Hz (+/- 5Hz) com Detecção Automática			
Frequência em Inversor (Hz)	Frequência da Rede +/-1%			
Fator de Potência	0,7			
Tempo de Transferência (Ms)	1 ms			
Forma de Onda no Inversor	semi-senoidal (2) <i>ew</i>			
Circuito Desmagnetizador	Sim			
Rendimento em Rede (com meia carga)	> 96%			
Rendimento em Inversor (com meia carga)	> 80%			
Faixa de Regulação para Entrada Fullrange	84V - 250V (CA)			
Tolerância na tensão de saída em rede	Tensão nominal de Saída +/- 6% (1)			
Tolerância na Tensão de Saída em Inversor	Tensão nominal de Saída +/- 6% (1)			
Bateria interna	sim	sim	não	não
Dimensões externas	355x223x520			

Fis	492
Rub	

Observações:

- (1) Para medir corretamente a tensão de saída do Nobreak, utilize voltímetros true-RMS
 (2) Forma de onda retangular PWM

Home / Informática / Impressoras E Multifuncionais / Todos Impressoras E Multifuncionais / Multifuncional Monocromática / Xpress M2070W - Multifuncional A Laser Monocromática

02



SL-M2070W/XAB

Xpress M2070W - Multifuncional a Laser Monocromática

- 3 em 1 - impressão, cópia e scanner
- Impressão de até 20 páginas por minuto
- Com Wi-Fi e conexão NFC

ONDE COMPRAR

ZOOM IN

Up to 20 pp...

Velocidade (Monocromática)

Up to 1,200 ...

Resolução

10000 pági...

Ciclo mensal máximo

406 x 359.6 ...

Dimensão da paleta (L x P x H)

Uma impressora que faz seu Smartphone ficar mais inteligente.

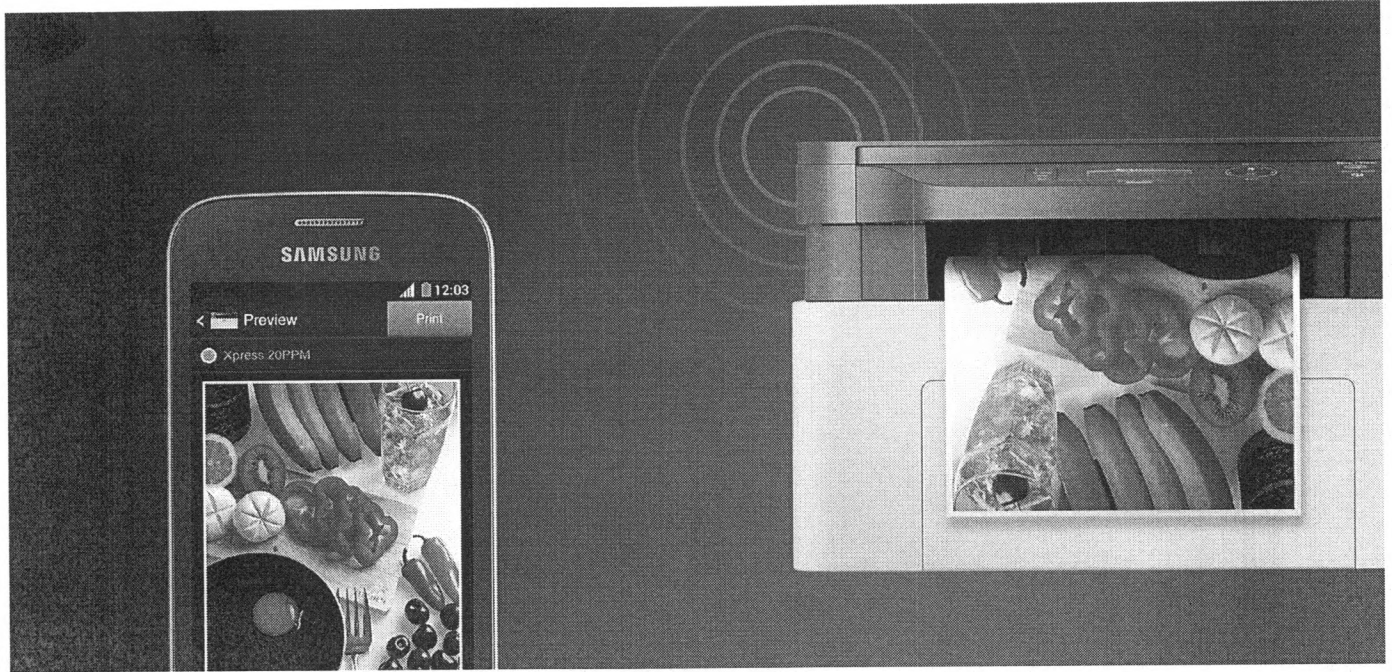
Apenas toque com seu Tablet ou Smartphone na Multifuncional Samsung Xpress C460FW para imprimir qualquer conteúdo. Faça o scan de imagens e envie diretamente para o seu dispositivo móvel. Compartilhe o conteúdo do seu dispositivo móvel via fax.

Fis	493
Rub	Ⓜ

[Handwritten signature]

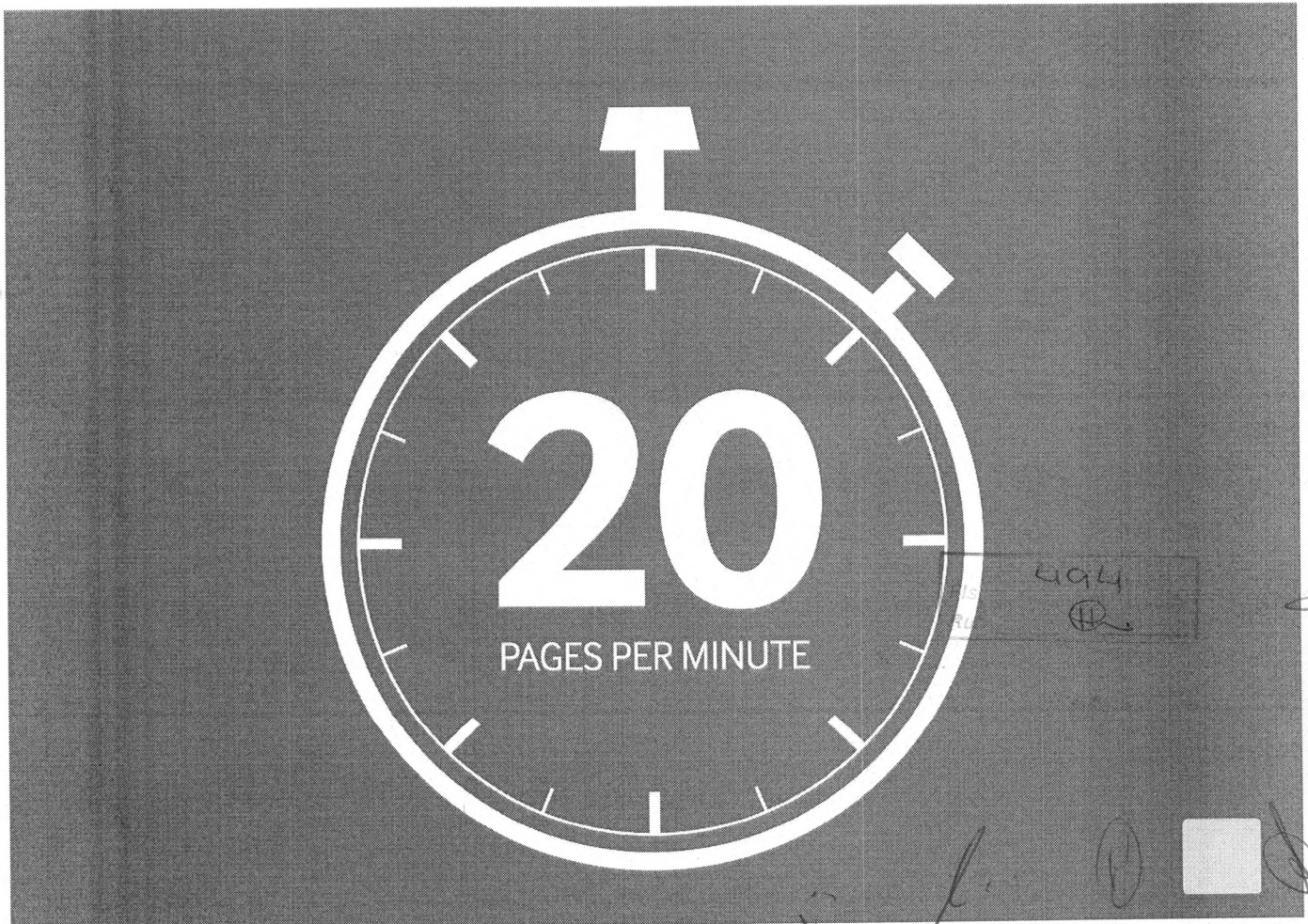
[Handwritten signature]

[Handwritten initials and signature]



Alta velocidade de impressão

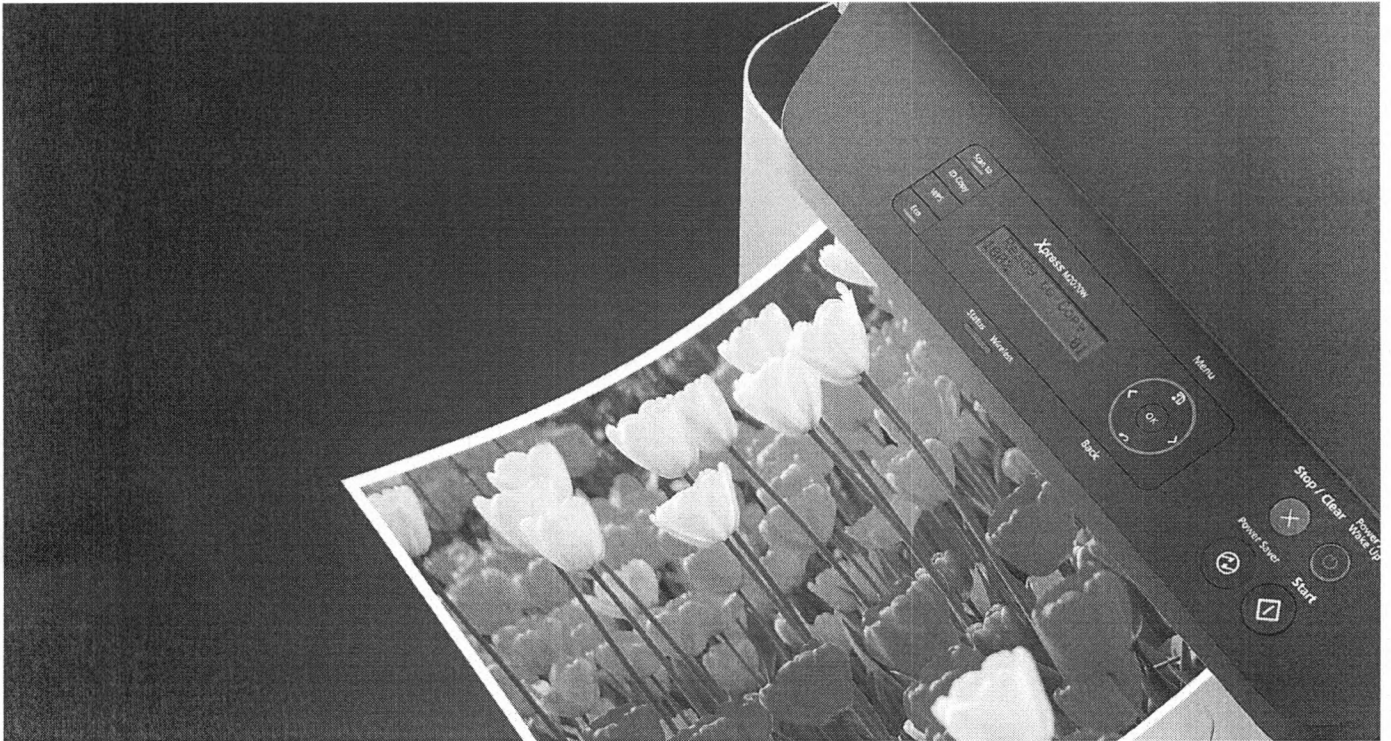
Uma impressora mais rápida significa um fluxo de trabalho mais ágil. Equipada com um processador de 600 MHz e memória de 128 MB para imprimir 20 páginas por minuto.



brilhante para os seus documentos

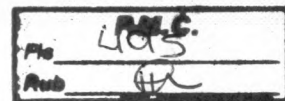
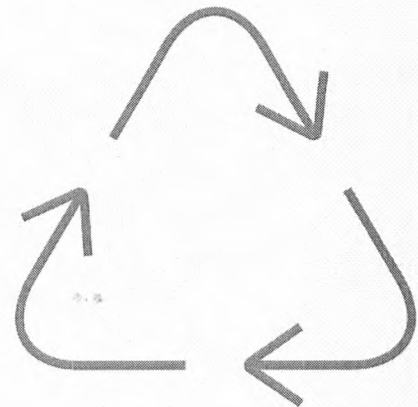
A M2070FW imprime e digitaliza seus textos e imagens com qualidade brilhante. A resolução de 1.200 x 600 dpi pode ser elevada para impressionantes 4.800x600 dpi por meio da variação do tamanho do ponto da posição do próprio ponto. Isso significa que você pode imprimir, com mais detalhes, uma imagem mais uniforme e nítida.

Usufrua de Impressões de Qualidade A Tecnologia ReCP (Rendering Engine for Clean Page) exclusiva da Samsung melhora a qualidade geral.



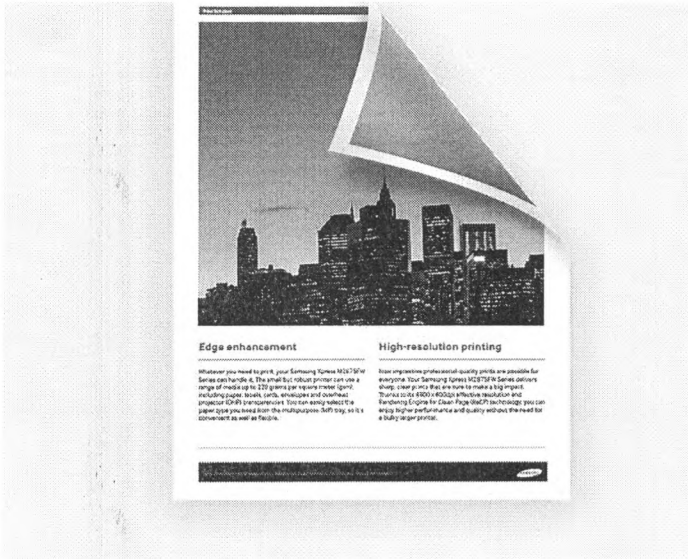
Melhor para o meio-ambiente

Premiado software Eco-friendly, permite que você salve em toner, papel e energia com o apertar de um botão. Imprimir várias páginas em uma única folha, mudar de cor para tons de cinza ou pular páginas em branco.



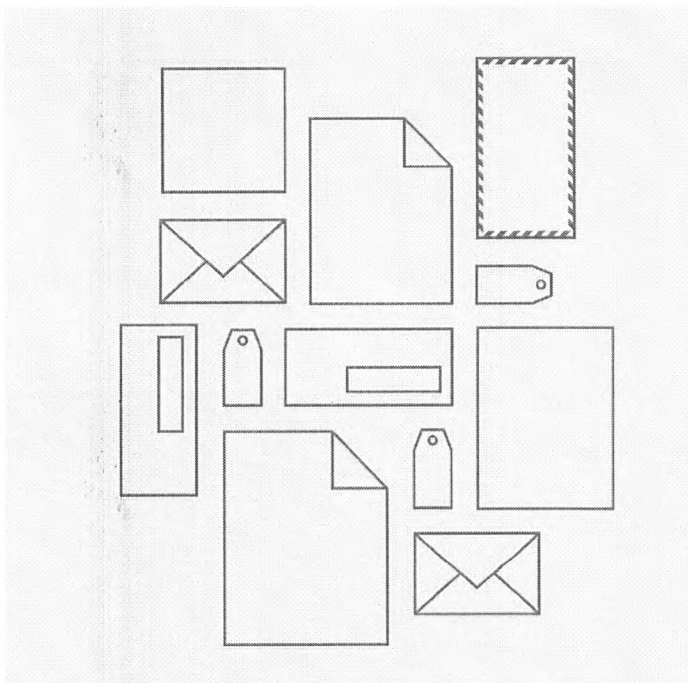
Sem desperdício

Envolver a função duplex para imprimir em ambos os lados do papel. Economize dinheiro (e árvores).



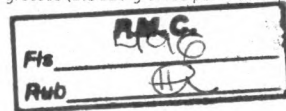
Easy Eco Driver

Economize até 20 por cento no toner da impressora com o Easy Eco Driver da Samsung. Esse software útil também reduz o consumo de papel e energia, oferecendo aos usuários a opção de remover textos e imagens desnecessários, convertendo-os de bitmap para rascunhos. O Easy Eco Driver recebeu o Prêmio Outstanding Achievement in Innovation de 2012 do Buyers Laboratory (BLI).



Além do papel

Uma bandeja separada permite imprimir etiquetas, envelopes, transparências, cartões e até papéis mais grossos (até 220 gramas por metro quadrado).



Up to 20 ppm i...

Velocidade (Monocromática)

Up to 1,200 x 1...

Resolução

10000 páginas

Ciclo mensal máximo

406 x 359.6 x 2...

Dimensão da paleta (L x P x H)

600 MHz

Processador

310 W (imprim...

Consumo de Energia

OCULTAR TODAS AS ESPECIFICAÇÕES

Geral

Funções

Print, Copy, Scan

Painel Operacional

2 x 16 Line LCD

Consumo de Energia

310 W (imprimindo) / 2.1 W (economia de energia) / 30 W (pronta)

Weight (SET Only / SET with Supplies)

7.4 kg (16.31lbs)

Funções de Valor Agregado

Mobile Print, Eco Mode

Memória (Padrão)

128 MB

Nível de Ruído

Menos de 50 dBA (imprimindo ou copiando) / Menos de 26 dBA (pronta)

Ciclo mensal máximo

10000 páginas

Processador

600 MHz

Interface (Padrão)

Hi-Speed USB 2.0 / Wireless 802.11 b/g/n

Dimensão da paleta (L x P x H)

406 x 359.6 x 253 mm (15.98" x 14.16" x 9.96")

Suporte de Sistema Operacional

Windows 10 / 8.1 / 8 / 7 / Vista / XP / 2008R2 / 2008 / 2003 / 2012, Mac OS X 10.5 – 10.11, vários Linux

Impressão

Velocidade (Monocromática)

Up to 20 ppm in A4 (21 ppm in Letter)

Linguagens de Impressão

GDI

Tempo de saída da primeira impressão (mono)

Less than 8.5 seconds (From Ready Mode)

Impressão Duplex (Frente e verso)

Manual

Resolução

Up to 1,200 x 1,200 dpi effective output

Cópia

Velocidade (Monocromática)

Up to 20 cpm in A4 (21 cpm in Letter)

Copy Features

ID Copy / N-UP Copy

Tempo de saída da primeira cópia (mono)

Less than 14 sec.

Variação de redução e ampliação

25 - 400 %

Scanner

Compatibilidade

TWAIN Standard / WIA Standard

Resolução (Enhanced)

Up to 4,800 x 4,800 dpi

Método

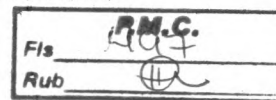
Color CIS

Destino do conteúdo escaneado

PC

Resolução (Optical)

Up to 1,200 x 1,200 dpi



Manuseio de papel

Capacidade de entrada (Cassete)

150-sheet Standard Tray

Tamanho de papel (Cassete)

A4 / A5 / Letter / Legal / Executive / Folio / Ofício / ISO B5 / JIS B5 / Envelope (Monarch, Com10, DL, C5) / Custom (76 x 127 mm - 216 x 356 mm / 3.0" x 5.0" - 8.5" x 14")

Gramatura do papel (Cassete)

60 - 163g/m² (10 - 43lb)

OCULTAR TODAS AS ESPECIFICAÇÕES

[Google Cloud Print] Quantas impressoras posso registrar no Google Cloud Print?

VER A RESPOSTA

[Google Cloud Print] Como faço para imprimir documentos a partir de um dispositivo móvel?

VER A RESPOSTA

Simulador inteligente

ABRIR SIMULADOR

Manual do usuário e Downloads

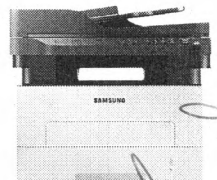
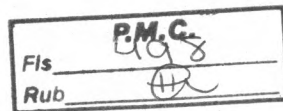
VER MAIS CONTEÚDO

Tire suas dúvidas

FALE CONOSCO

VER TODO O SUPORTE

Comparar



Xpress M2070 - Multifuncional a Laser Monocromática

Xpress M2070W - Multifuncional a Laser Monocromática

Xpress M2885FW - Multifuncional a Laser Monocromática

Multifuncional Monocromático

3 em 1

Velocidade (Monocromática)

Resolução

Velocidade (Monocromática) Up to 20 ...

Resolução Up to 1,20..

Ciclo mensal máximo 10000 pá...

Dimensão da paleta (L x P x H) 406 x 359...

Wireless

4 em 1

Velocidade (Monocromática)

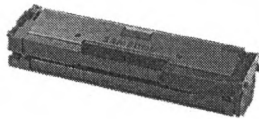
Resolução

SAIBA MAIS

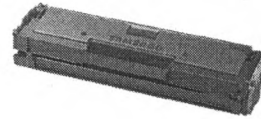
SAIBA MAIS

SAIBA MAIS

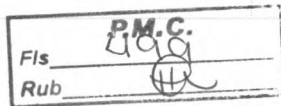
Acessórios



MLT-D111S (Preto, mono, 1.000 páginas)

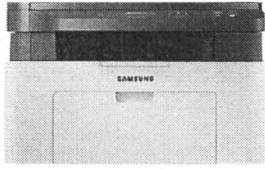


MLT-D111L (Preto, mono, 1.800 páginas)

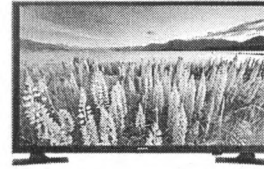


Visualizados recentemente





Xpress M2070W - Multifuncional a Laser Monocromática



40" Full HD Flat Smart TV J5200 Series 5

* O recurso principal pode ser diferente das especificações principais

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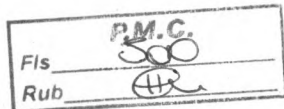
LEGAL

SAMSUNG ELETRÔNICA DA AMAZÔNIA LTDA., com sede em Av. dos Oitis, nº 1.460, Distrito Industrial, Manaus/AM, 69.007-002, inscrita no CNPJ/MF sob o nº. 00.280.273/0001-37.

LOJA ONLINE SAMSUNG, operada pela MAGAZINE LUIZA S/A, com endereço na Av. Wilson Tavares Ribeiro, Nº 1400, Contagem/MG, 32183-680, inscrita no CNPJ/MF sob o nº. 47.960.950/0945-17.

[CONTATO ELETRÔNICO](#) para compras na Loja Online.

Esse website é melhor visualizado nas versões Microsoft Internet Explorer 10 ou superior e/ou nas últimas versões dos navegadores Google Chrome e Mozilla Firefox.



Handwritten signatures and initials scattered at the bottom right of the page.

B.M.C.	
Fis	501
Rub	12

[Handwritten signature]

[Handwritten signatures and initials]

	P.M.C.
Fis	500
Rub	HR

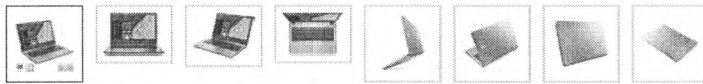
[Handwritten signatures and initials]

P.M.C.
Fis 503
Rub 





(https://br-store.acer.com/Assets/Produtos/SuperZoom/F5-573-723Q.png)



Curtir Compartilhar 0 Tweet G+ Indicar Seja o primeiro a avaliar

Notebook Acer Intel Core i7 8GB RAM 1TB HD 15.6" Windows 10 - -

R\$ ~~5999,00~~
(em 10x de R\$ ~~599,90~~ ou

veja opções de parcelamento

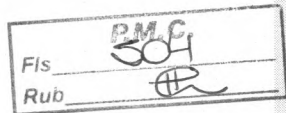
COMPRAR

Produto disponível

CALCULE FRETE
CEP (ESQUECI MEU CEP)

SIMULAR

Sobre o produto

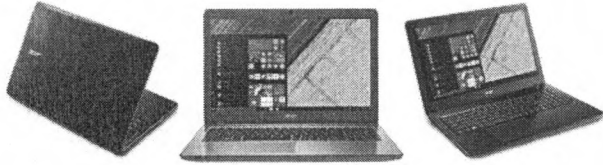
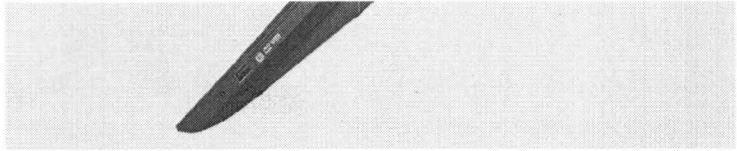


Aspire F5

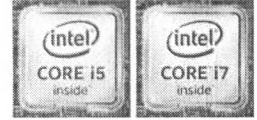
A SUA ROTINA

https://br-store.acer.com/p/108/notebook-acer-aspire-f5-573-723q

COM POTÊNCIA E ELEGÂNCIA.

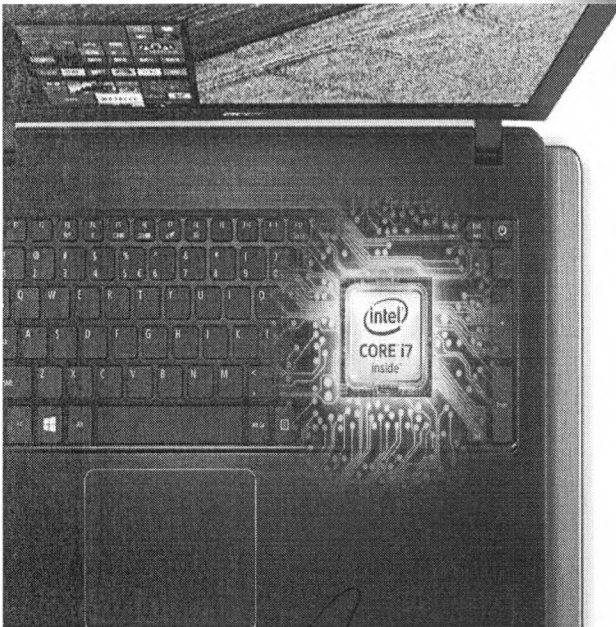
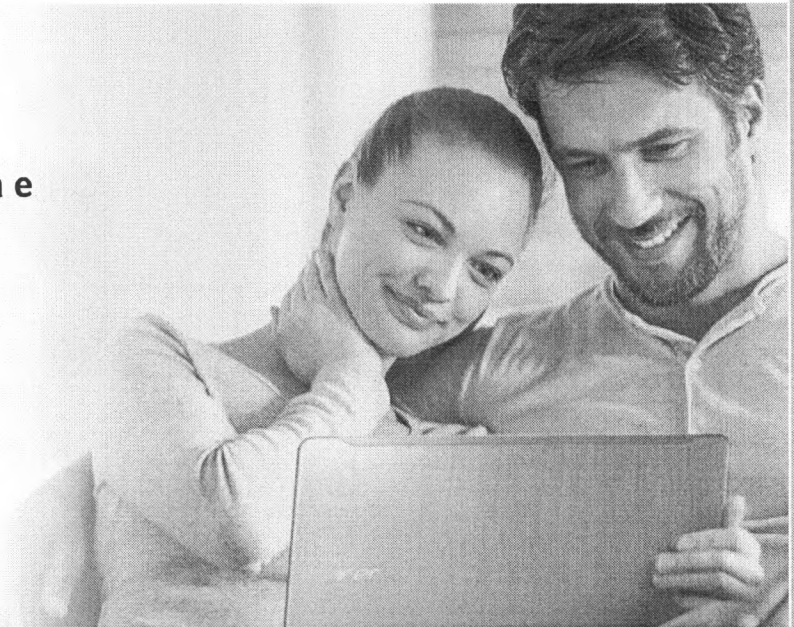


O Windows 10 oferece com certeza a melhor experiência para concluir tarefas mais rápido.



Design, tecnologia de ponta e velocidade.

Os notebooks Aspire F5 trazem alta tecnologia, design incrível e um acabamento cuidadoso. Você terá tecnologia de nova geração e com um desempenho incrível para as suas principais necessidades..



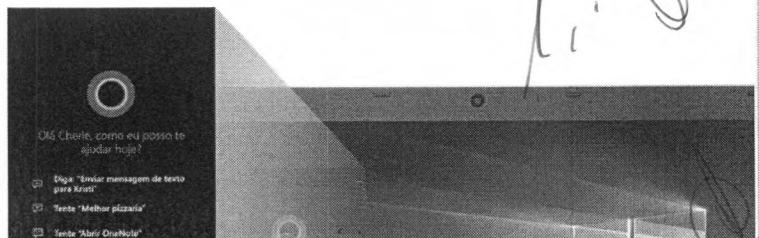
Processador Intel® Core™ i5 e Intel® Core™ i7. Faça mais, muito mais.

Velocidade para tudo o que você precisa: trabalhar, navegar na internet, jogar games, assistir filmes e muito mais. A 6ª geração dos processadores Intel® Core™ garante uma performance completa. Se tem Intel, tem muito mais performance.

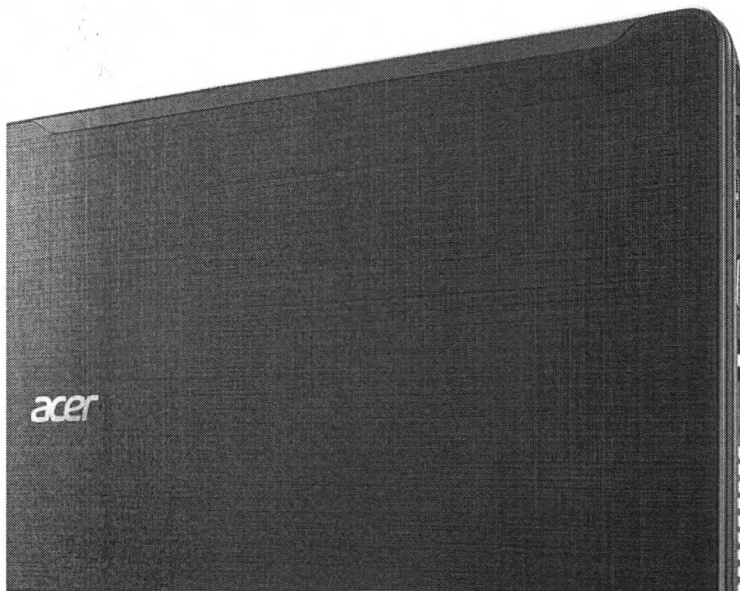
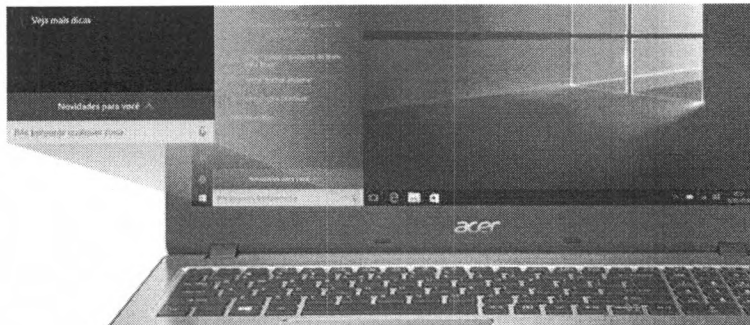
Handwritten receipt with fields for 'Fls' (505) and 'Rub' (with a signature).



A assistente pessoal agora fala a sua língua.



O Windows 10 é aquele sistema que você olha e diz: UAU! Tem um design lindo, é multitarefas, e agora vem com a Cortana falando em português. Quanto mais usa, mais ela aprende sobre a sua rotina, o que você faz e o que procura.



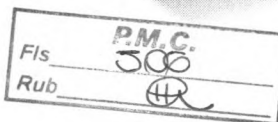
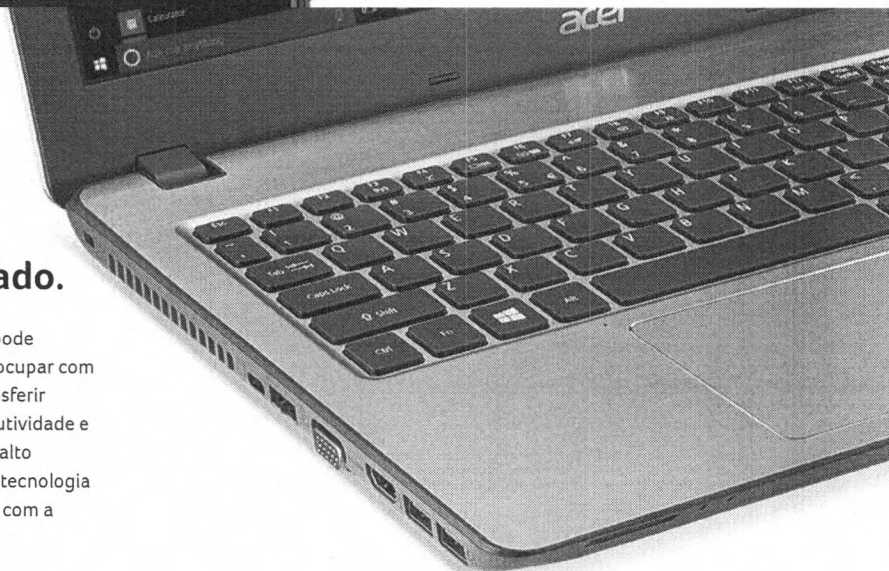
A beleza dos detalhes.

Com um acabamento em alumínio e uma textura refinada, o Aspire F5 parece quase que feito à mão. As bordas cuidadosamente acabadas evidenciam os detalhes e facilitam o abrir e fechar do notebook.



O essencial, renovado.

Com o novo padrão **USB Tipo C** você pode carregar seus dispositivos sem se preocupar com o lado certo de encaixe do cabo e transferir arquivos a velocidades incríveis. Produtividade e diversão em um novo patamar com o alto desempenho das memórias **DDR4** e a tecnologia **802.11 b/g/n** aceleram a sua conexão com a internet.



Som de cinema, espaço de sobra e desempenho de alto nível.

A linha Aspire F5 traz a tecnologia **Acer TrueHarmony™** que deixará a sua experiência sonora incrivelmente clara, com graves potentes e um surround que vai te envolver. E com um armazenamento de 1 TB com 8 GB de memória RAM DDR4, você guarda até:





1 milhão de documentos



90 mil fotos



40 mil músicas



100 vídeos em formato HD

Especificações Técnicas



F5-573-723Q

Sistema Operacional
Windows 10 Home

Processador
Intel® Core™ i7 - 6500U

Leitor e gravador
DVD e CD

Memória
8 GB DDR4

Armazenamento
1 TB HD (5400 RPM)

USB 3.0
2 entradas

acer

P.M.C.	
Fis	507
Rub	0

FEITO PARA TODOS OS MOMENTOS

Mais Detalhes

Part Number NX.GJLAL.001	Leitor de Cartões Leitor de cartão SD	Cor Prata
Sistema Operacional Windows 10 Home	Unidade Ótica Leitor e gravador de DVD / CD	Rede Wireless padrão - 802.11b/g/n Entrada padrão RJ-45 tipo Gigabit 10/100/1000
Processador Intel® Core i7 6500U 2.5 GHz - 3.1 GHz com função Turbo Boost 4 MB Cache	Teclado Português padrão ABNT Teclado numérico integrado	Tipo de Bateria Bateria de 4 células (2800 mAh)
Tela 15.6 HD LED LCD Resolução 1366 x 768	Bluetooth Bluetooth® 4.0	Bateria Até 7 horas de uso

Chipset Integrado ao processador	Webcam Webcam HD Acer Crystal Eye com resolução de 1280 x 720	Dimensões do Produto 381.6 x 259 x 23/28.45
Memória 8 GB (1 x 8 GB) tipo DDR4 Frequência 2133 MHz Expansível até 32 GB (2 slots no total)	Touchpad Touchpad com função multitoque	Peso do Produto 2,3 kg
Disco Rígido HD de 1 TB (5400 RPM)	Interfaces 1 porta USB 2.0 2 portas USB 3.0 1 USB Type-C port: USB 3.1 Gen 1 1 saída HDMI com suporte HDCP 1 saída VGA 1 leitor de cartão SD 1 porta de rede no padrão RJ-45 1 entrada para fonte carregadora de bateria 1 porta no padrão combo para microfone / fone de ouvido	Garantia Garantia limitada de 1 ano
Placa Gráfica Intel® HD Graphics 520		Conteúdo da Caixa Notebook Fonte carregadora de bateria bivolt no padrão AC Cabo de energia Kit de manuais e termo de garantia
Áudio Áudio de alta definição, com dois alto-falantes estéreo		

Avaliar produto

Dê a sua nota:



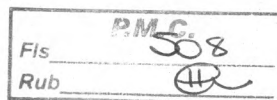
Seu nome

Seu email

Comentário

ENVIAR COMENTÁRIO

Comentários

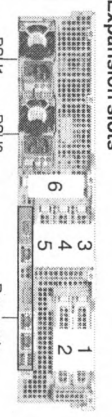


ThinkServer RD450 Platform Specifications

Product Specifications Reference (P/SREF)

Components	Specification																																								
Dimensions	2U rack. Height: 87 mm (3.4 in), width: 482 mm (19 in), depth: 764 mm (30 in)																																								
Weight	Minimum configuration: 16 kg (35.3 lb), maximum: 27 kg (59.52 lb) Up to two 105W Intel Xeon E5-2600 v4 or E5-2600 v3 family processors.																																								
Processor	<ul style="list-style-type: none"> E5-2660 v4 14C/2.8GHz/35MB/105W/DDR4-2400 E5-2650 v4 12C/2.2GHz/30MB/105W/DDR4-2400 E5-2640 v4 10C/2.4GHz/25MB/90W/DDR4-2133 E5-2630 v4 10C/2.2GHz/20MB/85W/DDR4-2133 E5-2623 v4 4C/2.6GHz/10MB/85W/DDR4-2133 E5-2620 v4 8C/2.1GHz/20MB/85W/DDR4-2133 E5-2609 v4 8C/1.7GHz/15MB/85W/DDR4-1866 E5-2603 v4 6C/1.7GHz/15MB/85W/DDR4-1866 E5-2650L v4 14C/1.7GHz/35MB/65W/DDR4-2400 E5-2630L v4 10C/1.8GHz/25MB/55W/DDR4-2133 E5-2660 v3 10C/2.6GHz/35MB/105W/DDR4-2133 E5-2650 v3 10C/2.3GHz/25MB/105W/DDR4-2133 E5-2640 v3 8C/2.6GHz/20MB/90W/DDR4-1866 E5-2630 v3 8C/2.4GHz/20MB/85W/DDR4-1866 E5-2623 v3 4C/3GHz/10MB/105W/DDR4-1866 E5-2620 v3 6C/2.4GHz/15MB/85W/DDR4-1866 E5-2609 v3 6C/1.9GHz/15MB/85W/DDR4-1600 E5-2603 v3 6C/1.6GHz/15MB/85W/DDR4-1600 E5-2650L v3 12C/1.8GHz/30MB/65W/DDR4-2133 E5-2630L v3 8C/1.8GHz/20MB/55W/DDR4-1866 																																								
Chipset	Intel C610 Series Chipset																																								
Memory DIMMs	16 DIMM sockets with 8 channels, 4 channels per processor, 2 DIMMs per channel. RDIMM or LRDIMM (cannot be intermixed), DDR4, DDR4-2133 or DDR4-2400																																								
Memory capacity	512GB (RDIMM, 32GB x 16)/1024GB (LRDIMM, 64GB x 16), 2nd CPU is needed																																								
Memory protection	ECC, memory mirroring, lockstep, and memory sparing																																								
RAID controller	<table border="1"> <thead> <tr> <th>RAID controller</th> <th>Drive type</th> <th>RAID support</th> <th>Compatible models</th> </tr> </thead> <tbody> <tr> <td>Onboard RAID110i</td> <td>6Gbps SATA</td> <td>0/1/1/0, 5 with optional key</td> <td>8x3.5" HS/ES, 8x2.5" HS</td> </tr> <tr> <td>RAID500 PCIe</td> <td>6Gbps SAS/SATA</td> <td>0/1/1/0, 5/50 with optional key</td> <td>8x3.5" HS</td> </tr> <tr> <td>RAID520i PCIe</td> <td>12Gbps SAS/SATA</td> <td>0/1/1/0, 5/50 with optional key</td> <td>8x3.5" HS/ES, 8x2.5" HS</td> </tr> <tr> <td>RAID710 PCIe (iGB memory)</td> <td>6Gbps SAS/SATA</td> <td>0/1/1/0/5/50/6/60</td> <td>8x3.5" HS</td> </tr> <tr> <td>RAID720i PCIe</td> <td>12Gbps SAS/SATA</td> <td>0/1/1/0/5/50, 6/60 with optional cache</td> <td>8x3.5" HS/ES, 8x2.5" HS</td> </tr> <tr> <td>AnyRAID 110i</td> <td>6Gbps SATA</td> <td>0/1/1/0, 5 with optional key</td> <td>8x2.5" HS</td> </tr> <tr> <td>AnyRAID 510i</td> <td>6Gbps SAS/SATA</td> <td>0/1/1/0, 5/50 with optional key</td> <td>8x2.5" HS</td> </tr> <tr> <td>AnyRAID 720i</td> <td>12Gbps SAS/SATA</td> <td>0/1/1/0/5/50, 6/60 with optional cache</td> <td>8x2.5" HS</td> </tr> <tr> <td>AnyRAID 720ix</td> <td>12Gbps SAS/SATA</td> <td>0/1/1/0/5/50/6/60</td> <td>16/24x2.5" HS, 8x2.5" HS+optional tape</td> </tr> </tbody> </table>	RAID controller	Drive type	RAID support	Compatible models	Onboard RAID110i	6Gbps SATA	0/1/1/0, 5 with optional key	8x3.5" HS/ES, 8x2.5" HS	RAID500 PCIe	6Gbps SAS/SATA	0/1/1/0, 5/50 with optional key	8x3.5" HS	RAID520i PCIe	12Gbps SAS/SATA	0/1/1/0, 5/50 with optional key	8x3.5" HS/ES, 8x2.5" HS	RAID710 PCIe (iGB memory)	6Gbps SAS/SATA	0/1/1/0/5/50/6/60	8x3.5" HS	RAID720i PCIe	12Gbps SAS/SATA	0/1/1/0/5/50, 6/60 with optional cache	8x3.5" HS/ES, 8x2.5" HS	AnyRAID 110i	6Gbps SATA	0/1/1/0, 5 with optional key	8x2.5" HS	AnyRAID 510i	6Gbps SAS/SATA	0/1/1/0, 5/50 with optional key	8x2.5" HS	AnyRAID 720i	12Gbps SAS/SATA	0/1/1/0/5/50, 6/60 with optional cache	8x2.5" HS	AnyRAID 720ix	12Gbps SAS/SATA	0/1/1/0/5/50/6/60	16/24x2.5" HS, 8x2.5" HS+optional tape
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Disk drive bays	Optional cache for RAID 710: CacheVault flash cache with super capacitor, Cache-Cade Pro, or FastPath. Optional cache for RAID 720/AnyRAID 720i and 720ix: 1GB read-only memory or 1GB/2GB/4GB flash with super capacitor. Flash options include CacheVault, CacheCade Pro, and FastPath. 720ix must have cache. Up to 8x3.5" hot-swap, 8x3.5" easy-swap, or 24x2.5" hot-swap disk bays on front. Up to one internal LTO-6 SAS tape drive or 8x2.5" and 720ix model, or external HDX tape drive via USB.																																								
Maximum internal storage	3.5" HS model: up to 64TB with 7.2K SATA or SAS HDD, up to 14.4TB with 10K SAS HDD, up to 4.8TB with 15K SAS HDD, or up to 12.8TB with SATA SSD. 3.5" ES model: up to 24TB with 7.2K SATA, up to 48TB with 7.2K SAS. 2.5" HS model: up to 48TB with 7.2K SATA HDD, up to 43.2TB with 10K SAS HDD, up to 14.4TB with 15K SAS HDD, or up to 38.4TB with SATA or SAS SSD Up to 2 SDHC flash cards via optional SD module, 8GB or 32GB each																																								
SD module	Supports 1.6TB or 3.2TB SSD via PCIe adapter																																								
Optical drive	Optional one 9.5mm optical on 3.5" or 8/16 x 2.5" models, DVD-ROM or DVD±RW.																																								

Components	Specification																		
Network interfaces	One dedicated management port, two Gigabit Ethernet ports. Supports optional discrete network adapters via PCIe slots																		
Security features	Power-on and administrator password. Optional TPM (TCG 1.2-compliant)																		
Systems management	Supports ThinkServer System Manager (TSM), optional TSM Premium. UEFI. Onboard Aspeed AST2400 graphics/management processor. IPMI 2.0-compliant baseboard management controller (BMC). Control Panel LEDs shows the status of power, ID, network, system. Supports ThinkServer management software: Diagnostics, Deployment Manager, Energy Manager, System Manager, Partner Pack for VMware vCenter and Microsoft System Center Operations Manager, Power Planner Microsoft Windows Server 2016/2012 R2/2012/2008 R2. Windows Small Business Server 2011, Red Hat Enterprise Linux 6.5/6.6/7, SUSE Linux Enterprise Server 11. VMware vSphere (ESXi) 5.1 P5/5.5 U2/6.0																		
Base warranty	1 or 3-year limited onsite service with 9x5/NBD																		
Power supply	Up to two redundant hot-swap 450W/550W/750W/1100W power supplies. 450 W is 80 PLUS Gold qualified, 550W and 1100W are 80 PLUS Platinum qualified, 750W is 80 PLUS Platinum or Titanium qualified, 750W Titanium is 200V - 240V, others are 110V - 240V.																		
Graphics	Onboard Aspeed AST2400 with 16MB memory																		
Front ports	Two USB 2.0. One DisplayPort (one VGA on E5-2600 v4 models instead)																		
Rear ports	One VGA, two USB 3.0, one RJ-45 (dedicated mgmt), two ethernet, one serial (9-pin)																		
Cooling	4 (3+1, dual processors) or 3 (2+1, single processor) fans, non-hot swap																		
Noise emissions	Operating: < 6.5 Bel. Idle: < 5.6 Bel. (Maximum configuration)																		
Environmental specification	<table border="1"> <thead> <tr> <th>Temperature - operating</th> <th>Temperature - non operating (no package)</th> <th>Temperature - non operating (with package)</th> </tr> </thead> <tbody> <tr> <td>50 °F to 95 °F (10 °C to 35 °C)</td> <td>-10 °C to 60 °C</td> <td>-40 °C to 70 °C</td> </tr> <tr> <td>Humidity - operating</td> <td>Humidity - non operating</td> <td>Humidity - operating</td> </tr> <tr> <td>8% - 90%, non-condensing</td> <td>8% - 90%, non-condensing</td> <td>8% - 90%, non-condensing</td> </tr> <tr> <td>Humidity - storage (with package)</td> <td></td> <td></td> </tr> <tr> <td>8% - 90%, non-condensing</td> <td></td> <td></td> </tr> </tbody> </table>	Temperature - operating	Temperature - non operating (no package)	Temperature - non operating (with package)	50 °F to 95 °F (10 °C to 35 °C)	-10 °C to 60 °C	-40 °C to 70 °C	Humidity - operating	Humidity - non operating	Humidity - operating	8% - 90%, non-condensing	8% - 90%, non-condensing	8% - 90%, non-condensing	Humidity - storage (with package)			8% - 90%, non-condensing		
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Slot 6 (onboard)	PCIe 3.0 x16 (x8 elec), low-profile, half length, requires 2nd CPU																		



For a list of all supported options, please see https://download.lenovo.com/pcdocs/options_iso/ocm_september_2016_thinkserver.xlsx sheet

APRESENTADOR WIRELESS C/ LASER POINT

- Função avançar/retorna slide
- Acompanha estojo
- Infra Vermelho
- 15m de alcance

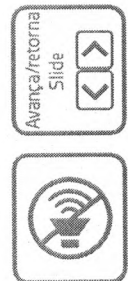
Código: 7412 | Part # MANL-WP2268/BK | EAN: 7898944009394



APRESENTADOR WIRELESS C/ LASER POINT P6000 - PRETO

- Plug-and-play, não é necessário software
- Botão liga/desliga
- Avançar/retorna slide
- 15m de alcance
- Acompanha Estojo para transporte
- Super silencioso
- Ideal para usar no escritório

Código: 8137 | Part # MANL-WP6000/BK | EAN: 7898933000722



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CARREGADOR UNIVERSAL P/ NOTEBOOK 90W

- 10 conectores:
- 90W de potência:
- Eficiência superior a 80%
- Tensão Ajustável

Código: 7851 | Part # MPNB-LC90AE | EAN: 7898944009424



CONECTOR A 6,5 X 4,3 X 1,0 MM SONY SAMSUNG	CONECTOR D 5,0 X 3,0 X 1,0 MM SAMSUNG	CONECTOR G 4,0 X 1,7 MM HP MINI	CONECTOR J 7,7 X 7,0 X 2,5 MM APPLE* iBook PowerBook G4
CONECTOR B 6,3 X 3,0 MM TOSHIBA NEC	CONECTOR E 5,5 X 7,17 MM HP / COMPAG ASUS ACER	CONECTOR H 2,5 X 0,7 MM ASUS	
CONECTOR C 5,5 X 2,5 MM TOSHIBA NEC IBM HP / COMPACT DELL ASUS FUJITSU SHARP	CONECTOR F 4,8 X 1,7 MM ACER	CONECTOR I 7,4 X 5 X 1,0 MM HP	

* COMPATÍVEL APENAS COM ALGUMAS EDIÇÕES. CONSULTE O TAMANHO E ESPECIFICAÇÃO DO CONECTOR ANTES DA COMPRA/AVENDA.

CNPJ: 19 707 627/0001-051
 INSC. EST.: 13.530.720-1
 DATA MANAGER PREST. SERV.
 DE INFORMÁTICA LTDA - ME

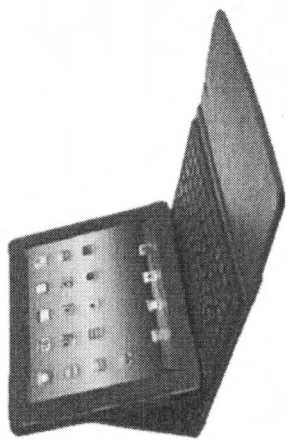
Av. Dom Bosco, Nº. 1059
 Centro Sul
 CEP: 78020-050

CUIABÁ - MT.

CAPA PARA IPAD 2/3/4 COM TECLADO BLUETOOTH

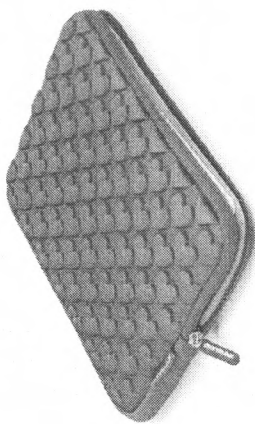
- Case formato pasta em couro ecológico proteção contra quedas e riscos
- Teclado em Silicone com 76 Teclas (macias e silenciosas) de fácil limpeza
- Conexão Bluetooth 3.0
- Compatibilidade iPad 2 / iPad 3 / iPad 4

Código: 7413 | Part # MATE-BRK3800BC/BK | EAN: 7898944009370



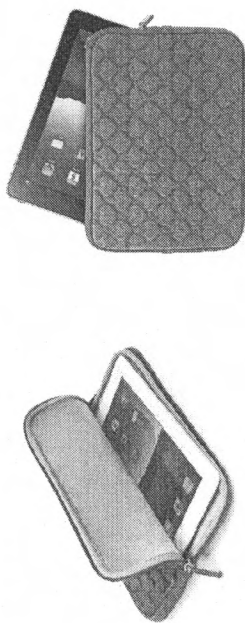
CAPA P/ TABLET DE 7 ATÉ 78 POL EMOTION

- Case em Neoprene antishock com corações em relevo.
- Interior em pelúcia anti riscos
- Material resistente a água com costura e zíper reforçado.



Tam. 7" | Código: 7580 | Part # MTSL-70LSPN1025R | EAN: 7898944009516

Tam. 10" | Código: 7581 | Part # MTSL-10LSPN1025R | EAN: 7898944009509



Fis. 511
Rua R

TABLET E SMARTPHONE

mymax
vivavidaponto.com

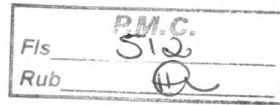
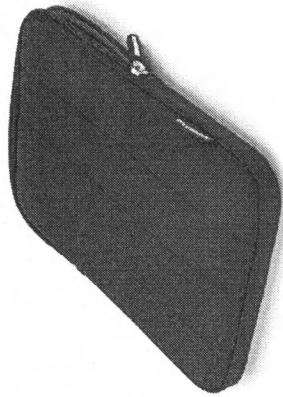
CAPA P/ TABLET ATE 7 POL HYPER PROTECTION

- Case em nylon com dupla camada de proteção acolchoada anti shock em formato bolhas
- Material resistente a água com costura e zipper reforçada.

Tam. 7" | Código: 7582 | Part # MTSL-07LSPN7237 | EAN: 7898944009479

Tam. 8" | Código: 7583 | Part # MTSL-08LSPN7237 | EAN: 7898944009486

Tam. 10" | Código: 7584 | Part # MTSL-10LSPN7237 | EAN: 7898944009493

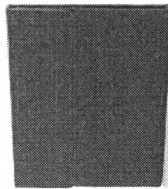
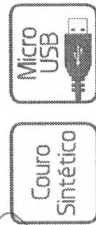


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CAPA P/ TABLET 7 COM TECLADO MICRO USB - PRETO

- Três funções: Capa, mini teclado e suporte
- Couro Sintético
- Micro USB

Código: 8138 | Part # MATB-STTKB07A/BK | EAN: 7898933000739

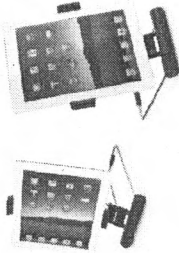
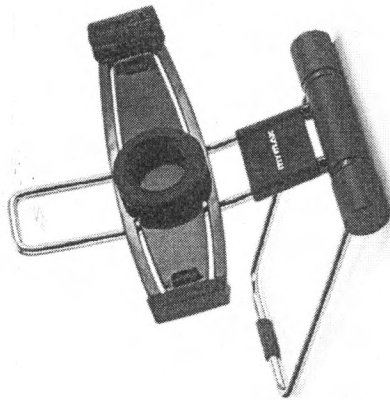


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BASE PARA IPAD EM AÇO

- Compatível com iPads de 9,7"
- Ajuste de ângulo de visão
- Estrutura em Aço com base emborrachada
- Ajuste de ângulo giratório com posição vertical / horizontal

Código: 6430 | Part # MYC/ISTD-S3 | EAN: 7898554980144

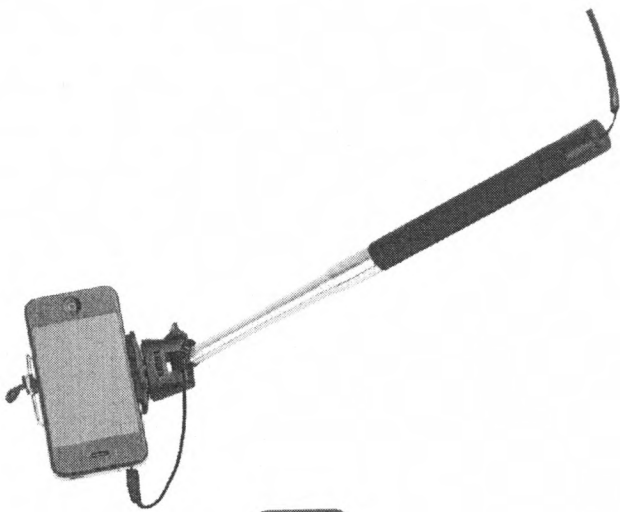


BASTÃO RETRÁTIL PARA SELFIE

BASTÃO RETRÁTIL PARA SELFIE

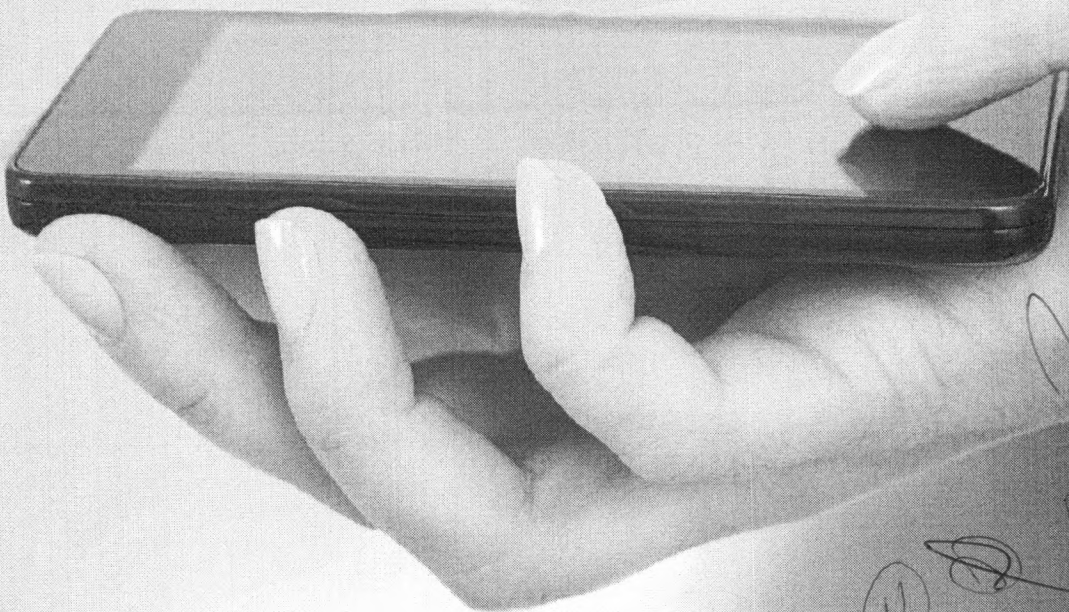
- Material – Alumínio
- Encaixe – Rosca Padrão
- Extensão máxima – 1 metro
- Compatibilidade - Smartphones e Iphone
- Vídeos ou fotos em ângulos diferentes
- Botão para disparar foto no próprio cabo
- Conexão P2

Código: 8281 | Part # MASC-BCC007 | EAN: 7898933000012



Fis 513
Rub Ⓟ

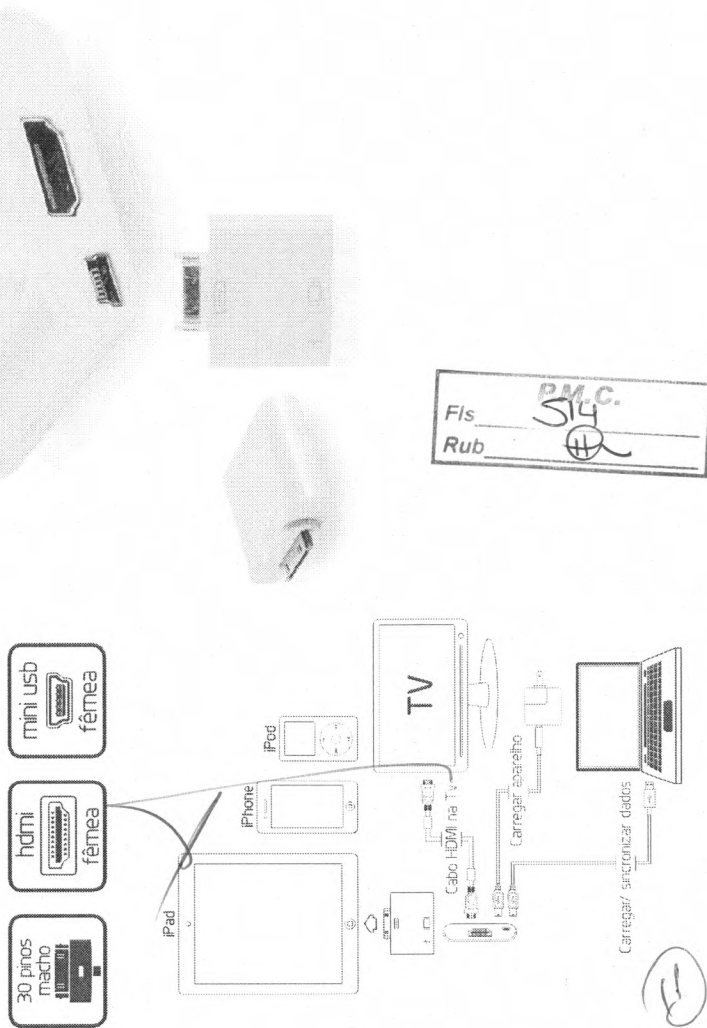
MYMAX
vividapontocom



ADAPTADOR P/ IPHONE/IPAD 30 PINOS HDMI COM MINI USB

- Espelhe o conteúdo da tela do seu iPad ou iPhone
- Excelente para apresentação de trabalhos e palestras
- Transmissão de áudio e vídeo
- Mini USB para carregar o dispositivo

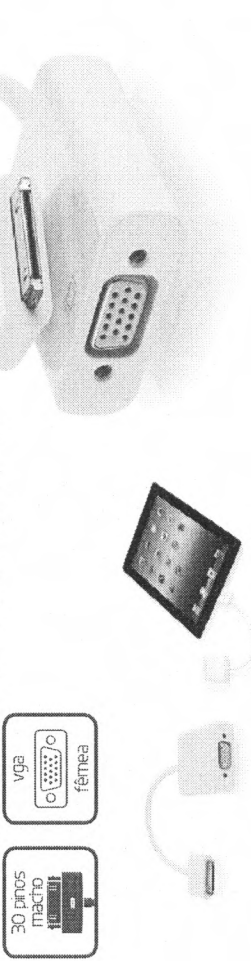
Código: 7421 | Part # WMAA-IPA-HD-A/WH | EAN: 7898944009417



CABO DE VIDEO VGA P/ IPHONE/IPAD 30 PINOS 25CM

- Espelhe o conteúdo da tela do seu iPad ou iPhone
- Excelente para apresentação de trabalhos e palestras
- Adaptador de transmissão Vídeo
- Apple 30 pinos Macho / VGA Fêmea

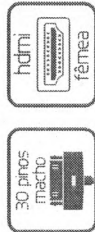
Código: 7429 | Part # WMCA-IP4-DP1/WH | EAN: 7898944009110



CABO DE VIDEO HDMI P/ IPHONE/IPAD 30 PINOS 25CM

- Espelhe o conteúdo da tela do seu iPad ou iPhone
- Adaptador de transmissão Audio/Vídeo
- Excelente para apresentação de trabalhos e palestras
- Apple 30 pinos Macho / HDMI Fêmea

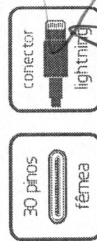
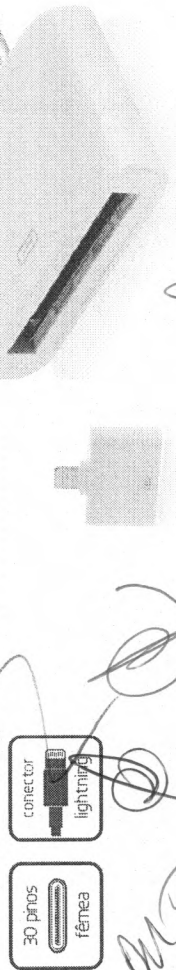
Código: 7432 | Part # WMCA-IP4-HDDP-A/HD | EAN: 7898944009127



ADAPTADOR IPHONE LIGHTNING P/ 30 PINOS

- Especifico para transmissão de dados
- Conector Lightning: iPhone 5/5C/5S, iPad Mini/Air

Código: 7422 | Part # WMAA-IP4-5TR-1/WH | EAN: 7898944009103



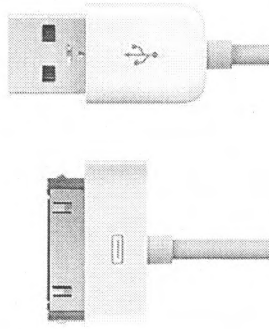
ADAPTADORES E CABOS

CABO DE DADOS USB 30 PINOS P/ IPHONE 4/4S E IPAD

- Conexão Apple 30 Pinos / USB 2.0
- Função Sincroniza e Carrega
- Compatibilidade Dispositivos Apple com 30 Pinos
- Comprimento 1m

Código: 7434 | Part # WMCA-IP4-BWH | EAN: 7898944009134

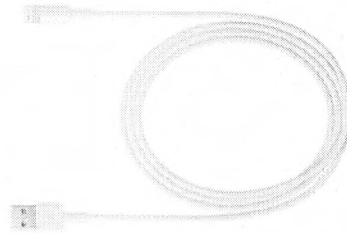
30
pinos
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CABO DE DADOS USB LIGHTNING P/ IPHONE 5 E IPAD MINI

- Conexão Apple 8 Pinos / USB 2.0
- Função Sincroniza e Carrega
- Compatibilidade Dispositivos Apple com 8 Pinos
- Comprimento 1m

Código: 7433 | Part # WMCA-IP5-BWHv1 | EAN: 7898944009103



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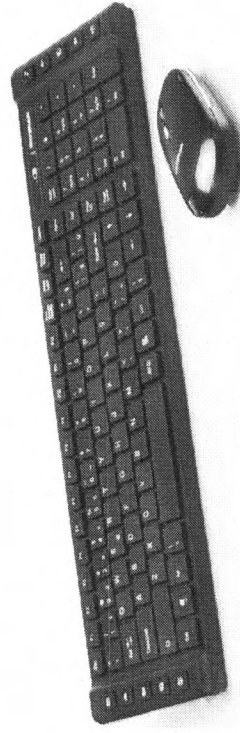
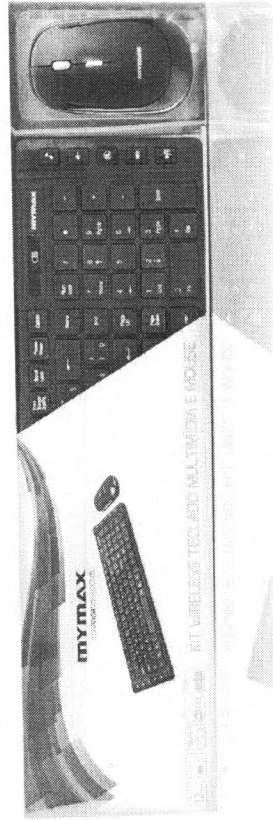
KIT TECLADO MULTIMÍDIA E MOUSE WIRELESS



- Alcance de até 10m
- ABNT2
- 105 Teclas + 10 Teclas de atalho
- Nano Receptor
- Alimentação Teclado 2 Pilhas AAA
- Controle de DPI 800/1200/1600
- Mouse com 4 botões
- Alimentação Mouse 1 x AA
- Compatibilidade com Windows XP / Vista / 7 / 8



Código: 6826 | Part # MKC-MKE699W | EAN: 7898554980816



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ABNT2

1600dpi

nano receptor

10 teclas multimídia x10

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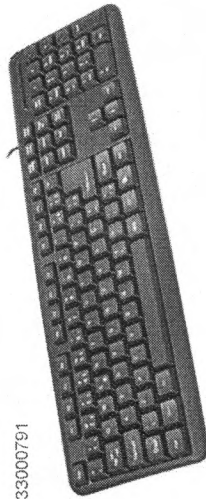
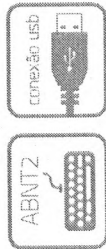
TECLADO

MYMAX
 vivaavidaponto.com

TECLADO STANDARD

- Padrão ABNT II
- Teclas 104
- Extensão do cabo 1,5 m
- Conexão USB

Código: 6201 | Part # MKS-VSC170/USB | EAN: 78989833000791



TECLADO MULTIMÍDIA

- Padrão ABNT II
- Teclas 103+8 teclas de atalho
- Extensão do Cabo 1,5 m
- Conexão USB

Código: 6202 | Part # MKS-VSC169/USB | EAN: 78989833000821

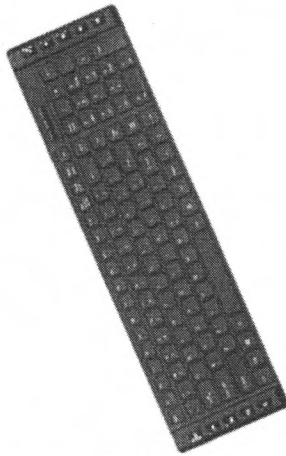


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TECLADO MULTI: SLIM CHOCOLATE USB ABNT-II PRETO

- Padrão: ABNT II
- Teclas: 106
- Teclas multimedias: 10
- Teclas soft
- Formato slim
- Extensão do cabo 1,5 m
- Conexão: USB

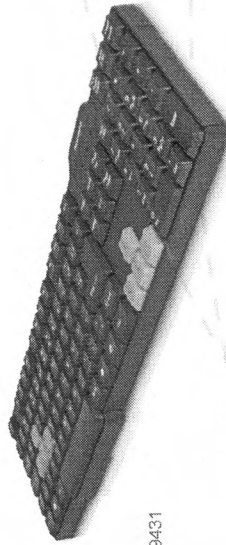
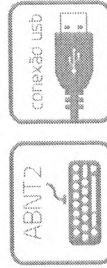
Código: 6969 | Part # MKM-MKB699/USB | EAN: 7898554981240



TECLADO STANDARD GAMER

- Teclas gamer (setas direcionais)
- Extensão do Cabo 1,5 m
- Padrão ABNT II
- Conexão USB
- Teclas 105

Código: 7710 | Part # KEY-3104/USB | EAN: 7898944009431

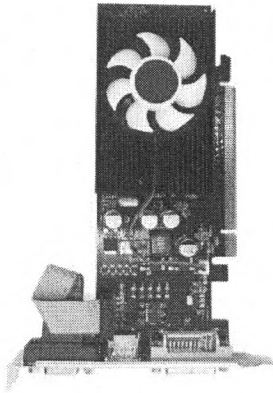


VGA PCI-E GF GT610 1GB DDR2 64BIT VGA/DVI/HDMI

- Cuda: 48SP
- Memória: 1GB DDR2
- Interface: PCI-E
- Conexão: VGA, DVI, HDMI
- Core Clock: 450 MHz
- Resolução Digital: 2560 x 1600
- Resolução VGA: 2048 x 1536
- Memory Clock: 533 MHz
- Memória da interface: 64BIT

Código: 8540 | Part # MVGAN/NT61GU012F | EAN: 7898554982018

Saídas 1 x DVI 1 x VGA 1 x HDMI	64 BIT	1GB DDR2	LOW PROFILE
--	-----------	-------------	----------------

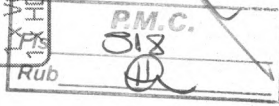
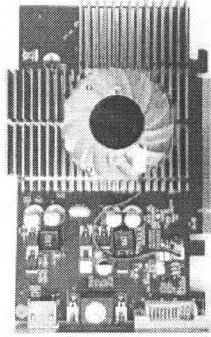


VGA PCI-E GF GT610 2GB DDR3 64BIT VGA/DVI/HDMI

- Cuda: 48SP
- Memória: 2GB DDR3
- Interface: PCI-E
- Conexão: VGA, DVI, HDMI
- Core Clock: 450 MHz
- Resolução Digital: 2560 x 1600
- Resolução VGA: 2048 x 1536
- Memory Clock: 1200 MHz
- Memória da interface: 64 BIT

Código: 8541 | Part # MVGAN/NT61GU023F | EAN: 7898554982001

Saídas 1 x DVI 1 x VGA 1 x HDMI	64 BIT	2GB DDR3
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VIDEO

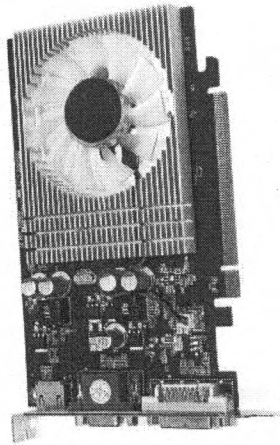
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vivavir@pontocom

VGA

VGA PCI-E GF GT730 2GB DDR3 128BIT VGA/DVI/HDMI

- Cuda: 96SP
- Memória: 2GB DDR3
- Interface: PCI-E
- Conexão: VGA, DVI, HDMI
- Core Clock: 550 MHz
- Resolução Digital: 2560 x 1600
- Resolução VGA: 2048 x 1536
- Memory Clock: 1300 MHz
- Memória da interface: 128 BIT

Código: 8542 | Part # MVGANT73GU023F | EAN: 7898554981986



Saídas
1 x DVI
1 x VGA
1 x HDMI

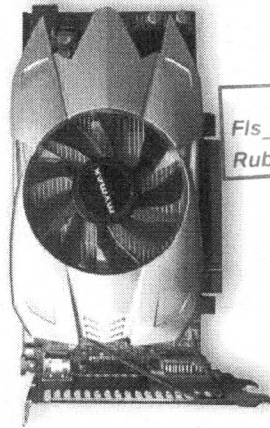
128
BIT

2GB
DDR3

VGA PCI-E GF GTX750 2GB DDR5 128BIT VGA/DVI/HDMI

- Cuda: 192SP
- Memória: 2GB DDR5
- Interface: PCI-E
- Conexão: VGA, DVI, HDMI
- Core Clock: 800 MHz
- Resolução Digital: 2560 x 1600
- Resolução VGA: 2048 x 1536
- Memory Clock: 3400 MHz
- Memória da interface: 128 BIT

Código: 8543 | Part # MVGANT75GU025F | EAN: 7898554981981



Saídas
1 x DVI
1 x VGA
1 x HDMI

128
BIT

2GB
DDR5


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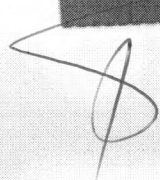
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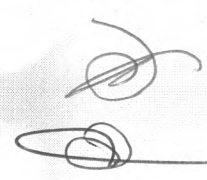
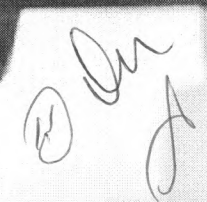


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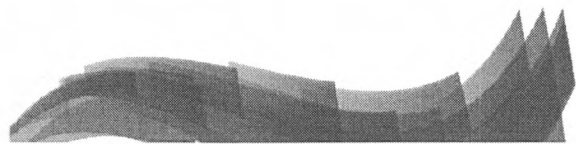
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Rub. 





REC.
Fis. 331
Rub. 12



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Windows 10 Specifications & Systems Requirements

Here's an overview of requirements, editions, and languages available for Windows 10.

SEE WINDOWS 10 MOBILE SPECIFICATIONS

Table of Contents

System Requirements

Feature deprecation

Additional requirements to use certain features

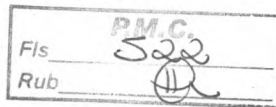
Windows 10 full localisation languages

Upgrade editions

System requirements

If you want to upgrade to Windows 10 on your PC or tablet, here's the minimum hardware you'll need. Read further below to learn about the additional factors that impact upgradeability.

Latest OS:



Make sure you are running the latest version of either Windows 7 SP1 or Windows 8.1 Update.

Don't know which version you are running? **Check here** to find out. Need to download the latest version? Click here **for Windows 7 SP1** or **Windows 8.1 Update**.

Processor: 1 gigahertz (GHz) or faster processor or SoC

RAM: 1 gigabyte (GB) for 32-bit or 2 GB for 64-bit

Hard disk space: 16 GB for 32-bit OS 20 GB for 64-bit OS

Graphics card: DirectX 9 or later with WDDM 1.0 driver

Display: 800x600

Important notes:

- Windows 10 Home users will receive updates from Windows Update automatically when it's available. Windows 10 Pro and Windows 10 Enterprise users will have the ability to postpone updates. The amount of time that Windows 10 Pro users can postpone updates is limited.
- Small storage devices, like devices with 32GB hard drives or older devices with full hard drives, may need additional storage to complete the upgrade. You'll see instructions telling you what to do during the upgrade. You may need either to remove unneeded files from your device or insert a USB flash drive to complete the upgrade.
- Some devices with either little free space available or smaller hard drives, like 32 GB storage PCs, may have little free space available after upgrading. You may free up disk space and easily delete files, like temporary files or your previous version of Windows, within the Storage system setting. Files for the previous version of Windows give you the option to remove Windows 10 and go back to your previous version of Windows. These files are automatically deleted 10 days after you upgrade. You can delete them now to free up space.
- An internet connection is required to perform the upgrade. Windows 10 is a large file -- about 3 GB -- and Internet access (ISP) fees might apply.
- To check for device compatibility and other important installation information, visit your device manufacturer's website. Manufacturer contact information can be found on the **Contact Information page**.
- The upgradeability of a device includes factors beyond the system specification. This includes driver and firmware support, application compatibility, and feature support, regardless of whether or not the device meets the minimum system specification for Windows 10.
- Support may vary by device. Find more information on the **Windows Lifecycle page**.
- If your PC or tablet is currently running Windows 7 SP1 or Windows 8.1 Update, you can check to see if it meets the requirements by using 'Check my PC' in the Get Windows 10 app. To open the Get Windows 10 app, click on the small Windows icon found at the right end of the taskbar. If you don't see it, visit our **Windows 10 Q&A page** for more info.
- Many applications, files and settings will migrate as part of the upgrade. However, some applications or settings may not migrate.
 - For anti-malware applications, Windows will check to see if your anti-malware subscription is current (not expired) and compatible during the upgrade.
 - If the anti-malware application is compatible and current, your application will be preserved during the upgrade to Windows 10.
 - If the anti-malware application is incompatible, Windows will uninstall your application while preserving your settings. After the upgrade is complete, if your anti-malware provider

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has informed Microsoft that it has made a compatible version available for your active subscription, Windows will notify you to install the latest available version with the settings that were set prior to upgrade.

- If your anti-malware subscription is not current (expired), Windows will uninstall your application and enable Windows Defender.
- Some applications that came from your OEM may be removed prior to upgrade.
- For certain third party applications, the "Get Windows 10" app will scan for application compatibility. If there is a known issue that will prevent the upgrade, you will be notified of the list of applications with known issues. You can choose to accept and the applications will be removed from the system prior to upgrade. Please make sure that you copy the list before you accept the removal of the application.
- Microsoft Family Safety child users with local accounts (accounts tied to the machine) will not have their safety settings migrated to Windows 10 during the upgrade. This means that after the upgrade to Windows 10 is complete, parents would need to setup safety settings for the child user along with a Microsoft account if they do not have one. To find out more about the changes, **visit the FAQ page**.
- Some apps and content sold separately. Feature and app availability and experience may vary by device and market.

Feature deprecation

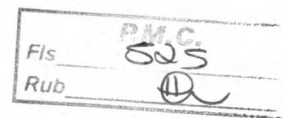
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- If you have Windows 7 Home Premium, Windows 7 Professional, Windows 7 Ultimate, Windows 8 Pro with Media Centre, or Windows 8.1 Pro with Media Centre and you install Windows 10, Windows Media Centre will be removed. For a limited time (the "eligible period"), on systems upgraded to Windows 10 from one of these older versions of Windows (a "qualified system"), a DVD playback app ("Windows DVD Player") will be installed. Note: the Windows DVD Player may not be installed immediately; it will be installed after the first successful Windows Update. The Windows DVD Player will be available for purchase from the Window Store for systems that (i) are qualified systems but the eligible period lapsed; (ii) are non-qualified systems; or (iii) were qualified systems but Windows 10 was subsequently clean installed (in this case, Windows Update cannot detect that it was previously a qualified system).
- Windows Journal will be removed when the Windows 10 Anniversary Update (Windows 10, version 1607) is installed. After Windows Journal is removed, you will no longer be able to open or edit Journal files (with .JNT or .JTP extensions). We encourage you to switch to OneNote to replace Windows Journal. If you need to open or edit your journal files, more information is available **here**.
- Windows Media Digital Rights Management (WMDRM) will no longer be supported after Windows 10 Anniversary Update (Windows 10, version 1607) is installed. After installing this update, you will no longer be able to play music or video files that were protected by this rights management technology. **Click here** to learn more.

- MDM functionality will not be available in Windows 10 Home edition when Windows 10 is released.
- Windows 7 desktop gadgets will be removed as part of installing Windows 10.
- Solitaire, Minesweeper and Hearts Games that come pre-installed on Windows 7 will be removed when installing the Windows 10 upgrade. Microsoft has released our version of Solitaire and Minesweeper called the "Microsoft Solitaire Collection" and "Microsoft Minesweeper".
- If you have a floppy drive, you will need to download the latest driver from Windows Update or from the manufacturer's website.
- If you have Windows Live Essentials installed on your system, the OneDrive application is removed and replaced with the inbox version of OneDrive.
- OneDrive does not support placeholder files in Windows 10. Windows 8.1 displayed placeholders for files available in OneDrive but not locally on the device. In Windows 10, users can choose which folders to sync from OneDrive settings.
- Snap is limited to 2 apps in Tablet Mode.

Additional requirements to use certain features

- Speech recognition will vary by device microphone. For a better speech experience, you will need a:
 - High fidelity microphone array
 - Hardware driver with microphone array geometry exposed
- Windows Hello requires specialised illuminated infrared camera for facial recognition or a fingerprint reader which supports the Windows Biometric Framework. Windows Hello with an Intel® RealSense™ (F200) camera requires a software update to work on Windows 8.1 devices after upgrading to Windows 10. This update is expected to be available soon.
- Continuum is available on all Windows 10 desktop editions by manually turning "tablet mode" on and off in the Action Centre. It will be possible to configure tablets and 2-in-1s with GPIO indicators or those that have a laptop and slate indicator to enter "tablet mode" automatically.
- At launch, Continuum for phones will be limited to selected premium phones. External monitor must support HDMI input. Continuum-compatible accessories sold separately. App availability and experience vary by device and market. Office 365 subscription required for some features.
- Music and video streaming through Groove Music (formerly Xbox Music) or Films & TV apps is not available in all regions. For the most up-to-date list of regions, please go to the **Xbox on Windows website**.



- Xbox app requires an Xbox Live account, which is not available in all regions. For the most up-to-date list of regions, please go to **Xbox Live Countries and Regions website**.
- Two factor authentication requires the use of a PIN, Biometric (fingerprint reader or illuminated infrared camera) or a phone with Wi-Fi or Bluetooth capabilities.
- The number of applications that can be snapped will depend upon the minimum resolution for the application.
- To use touch, you need a tablet or a monitor that supports multi-touch. **Click here** for more info on multi-touch hardware requirements.
- Microsoft account required for some features.
- Secure boot requires firmware that supports UEFI v2.3.1 Errata B and has the Microsoft Windows Certification Authority in the UEFI signature database.
- Some IT administrators may enable Secure Logon (Ctrl + Alt + Del) before bringing you to the log in screen. On tablets without a keyboard, a tablet with the Windows button may be required, as the key combination on a tablet is Windows button + Power button.
- Some games and programs might require a graphics card compatible with DirectX 10 or higher for optimal performance.
- BitLocker To Go requires a USB flash drive (Windows 10 Pro only).
- BitLocker requires either Trusted Platform Module (TPM) 1.2, TPM 2.0 or a USB flash drive (Windows 10 Pro and Windows 10 Enterprise only).
- Client Hyper-V requires a 64-bit system with second level address translation (SLAT) capabilities and additional 2 GB of RAM (Windows 10 Pro and Windows 10 Enterprise only).
- Miracast requires a display adaptor which supports Windows Display Driver Model (WDDM) 1.3, and a Wi-Fi adaptor that supports Wi-Fi Direct.
- Wi-Fi Direct Printing requires a Wi-Fi adaptor that supports Wi-Fi Direct and a device that supports Wi-Fi Direct Printing.
- To install a 64-bit OS on a 64-bit PC, your processor needs to support CMPXCHG16b, PrefetchW, and LAHF/SAHF.
- InstantGo works only with computers designed for Connected Standby.
- Device encryption requires a PC with InstantGo and TPM 2.0.
- Skype available only in select countries and regions. Calling to select countries and regions only. Excludes special, premium and non-geographic numbers. For details, visit the **Office FAQ page**.

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Windows 10 full localisation languages

Arabic (Saudi Arabia), Bulgarian (Bulgaria), Chinese (Simplified, China), Chinese (Hong Kong), Chinese (Traditional, Taiwan), Croatian (Croatia), Czech (Czech Republic), Danish (Denmark), Dutch (Netherlands), English (United Kingdom), English (United States), Estonian (Estonia), Finnish (Finland), French (France), French (Canada), German (Germany), Greek (Greece), Hebrew (Israel), Hungarian (Hungary), Italian (Italy), Japanese (Japan), Korean (Korea), Latvian (Latvia), Lithuanian (Lithuania), Norwegian, Bokmål (Norway), Polish (Poland), Portuguese (Brazil), Portuguese (Portugal), Romanian (Romania), Russian (Russia), Serbian (Latin, Serbia), Slovak (Slovakia), Slovenian (Slovenia), Spanish (Spain, International Sort), Spanish (Mexico), Swedish (Sweden), Thai (Thailand), Turkish (Turkey), Ukrainian (Ukraine)

Additional languages available as Language Interface Packs

Upgrade editions

We'll keep you on like-for-like editions of Windows. For instance, if you are using Windows 7 Home Premium, you'll upgrade to Windows 10 Home.

Upgrading from		Recommended upgrade
Windows 7 Starter		
Windows 7 Home Basic	Windows 8.1 (4)	Windows 10 Home
Windows 7 Home Premium		
Windows 7 Professional	Windows 8.1 Pro	Windows 10 Pro
Windows 7 Ultimate	Windows 8.1 Pro for Students	

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Teclado Standart KB-1428

Especificações Técnicas

Teclas com membrana tátil

Comprimento do cabo: 135mm

Dimensão do teclado(CxLxA): 445x200x20mm

Tipo de conector: USB . Plug and play

Ciclo de vida: 5~10 milhões de toques

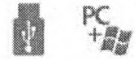
Especificações da Embalagem

Embalagem Individual

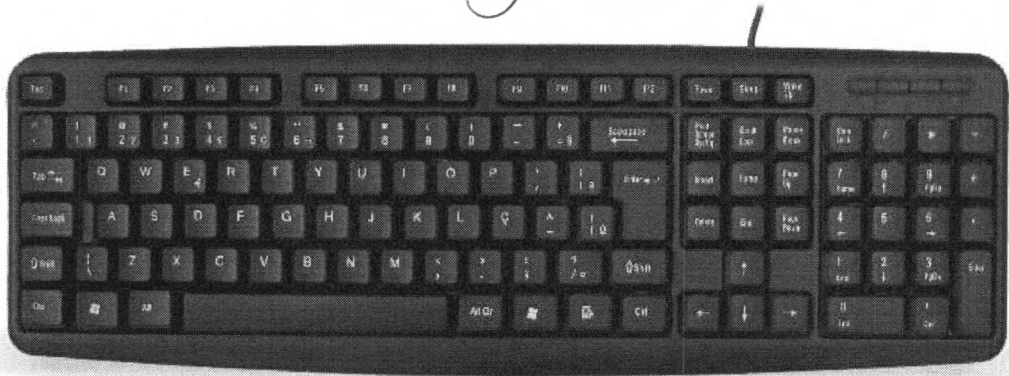


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CARACTERÍSTICAS

- Resistente à água (exceto imersão)
- Teclado preto com fio, Padrão ABNT 2
- Cento e cinco teclas
- Suportes inclináveis para ajuste de altura
- Compatível com Windows 98, 2000, ME, XP, Vista, 7, 8 e 10
- LED indicador de Num Lock, Caps Lock e Scroll Lock ativados

ESPECIFICAÇÕES DO TECLADO

- Teclas com membrana tátil
- Comprimento do cabo: 1,35mm
- Dimensão do teclado(CxLxA): 445x200x20mm
- Tipo de conector: USB - Plug and play
- Ciclo de vida: 5-10 milhões de toques

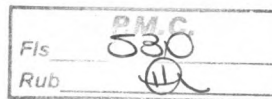
INFORMAÇÕES DA EMBALAGEM

Tipo	Dimensões (CxLxA)	Quant.	P. Líquido	P. Bruto
Cx. Individual	495x150x30mm	01	0,42kg	0,52kg
Cx. Coletiva	515x330x320mm	20	10,4kg	11,57kg

IMAGENS



É possível acrescentar a logomarca da sua empresa. Até uma marca de 13mm.



Outros Produtos da Linha:

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Faça seu cadastro
 fique por dentro de todas
 as novidades e promoções
 e baixe o
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Mapa do site

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Atenção! As especificações dos produtos contidas no site www.k-mex.com.br são informações comerciais, referências básicas sobre os produtos.

Para obter especificações completas, entre em contato com o departamento comercial da K-MEX ou, com o distribuidor responsável pela venda do produto.

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PROCESSADORES FX AMD COM AS NOVAS SOLUÇÕES TÉRMICAS AMD

Número de modelo (clique para ver detalhes)	Frequência	Cachê L2 total	Cachê L3	Embalagem	Potência do design térmico	Tecnologia CMOS
FX-8370 Wraith cooler	4.0/4.3 GHz	8MB	8MB	socket AM3+	125W	32nm SOI
FX 8350 Wraith cooler	4.0/4.1 GHz	8MB	8MB	socket AM3+	125W	32nm SOI
FX 6350 Wraith cooler	3.9 GHz	8MB	8MB	socket AM3+	125W	32nm SOI

SAIBA MAIS

PROCESSADORES FX AMD

Número de modelo (clique para ver detalhes)	Frequência	Cachê L2 total	Cachê L3	Embalagem	Potência do design térmico	Tecnologia CMOS
FX 9590*	4.7/5.0 GHz	8MB	8MB	socket AM3+	220W	32nm SOI
FX 9370*	4.4/4.7 GHz	8MB	8MB	socket AM3+	220W	32nm SOI
FX 8370	4.0/4.3 GHz	8MB	8MB	socket AM3+	125W	32nm SOI
FX 8370E	3.3/4.3 GHz	8MB	8MB	socket AM3+	95W	32nm SOI
FX 8350	4.0/4.2 GHz	8MB	8MB	socket AM3+	125W	32nm SOI
FX 8320	3.5/4.0 GHz	8MB	8MB	socket AM3+	125W	32nm SOI
FX 8320E	3.2/4.0 GHz	8MB	8MB	socket AM3+	95W	32nm SOI
FX 8300	3.3/4.2GHz	8MB	8MB	socket AM3+	95W	32nm SOI

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<u>FX 6350</u>	3.9/4.2 GHz	6MB	8MB	socket AM3+	125W	32nm SOI
<u>FX 6300</u>	3.5/4.1 GHz	6MB	8MB	socket AM3+	95W	32nm SOI
<u>FX 6200</u>	3.8/4.1 GHz	6MB	8MB	socket AM3+	125W	32nm SOI
<u>FX 6100</u>	3.3/3.9 GHz	6MB	8MB	socket AM3+	95W	32nm SOI
<u>FX 4350</u>	4.2/4.3 GHz	4MB	8MB	socket AM3+	125W	32nm SOI
<u>FX 4320</u>	4.0/4.1 GHz	4MB	4MB	socket AM3+	95W	32nm SOI
<u>FX 4300</u>	3.8/4.0 GHz	4MB	4MB	socket AM3+	95W	32nm SOI
<u>FX 4130</u>	3.8/3.9 GHz	4MB	4MB	socket AM3+	125W	32nm SOI
<u>FX 4100</u>	3.6/3.8 GHz	4MB	8MB	socket AM3+	95W	32nm SOI

***Com TDP de 220 watts, os processadores AMD FX™ Série 9000 têm requisitos de sistema especiais, além de um sistema robusto de refrigeração por líquido. Para obter mais informações, consulte a página de requisitos de sistema do AMD FX™ Série 9000.**

Tecnologia AMD64	Sim
Computação simultânea 32 bits e 64 bits	Sim
Cachê L1 (Instrução + Dados) por núcleo	128KB (64KB + 64KB)
Cachê L2 (1MB por núcleo)	8MB or 6MB or 4MB
Cachê L3	8MB (L3 compartilhado)
Tecnologia HyperTransport™	Tecnologia HyperTransport™ até 4000MT/s duplex total, ou até 16.0GB/s de largura de banda E/S
Controlador de memória DDR3 integrado	Sim
Largura do controlador de memória	128 bits

PMG
Fis 533
Rub

Tipo de memória suportada	Até DDR3 18661
Banda de memória	Até 21 GB/s largura de banda de memória de canal duplo
Largura de banda total do processador ao sistema (HyperTransport mais largura de banda de memória)	Até 37 GB/s
Tecnologia de processamento	32 nanômetros, Tecnologia SOI (silicon-on-insulator)
Embalagem	AM3+
Potência do design térmico	220W, 125W, & 95W
Locais de fabricação	GLOBALFOUNDRIES Dresden, Germany



Fis	534
Rub	④

2

RESIDENCIAL

EMPRESARIAL

PROVEDORES

SMARTPHONE

SUPORTE

Procurar Tudo

Adaptadores | TG-3269

Visão geral

Especificações

Supc



CARACTERÍSTICAS DE HARDWARE

Padrões e Protocolos	IEEE 802.3, 802.3u, 802.3ab, 802.3x, 802.1q, 802.1p CSMA/CD, TCP/IP, PCI Revision 2.1/2.2
Interface	32-bit PCI Uma porta 10/100/1000Mbps RJ45
Mídia de Rede	10BASE-T: UTP categoria 3, 4, 5 por cabo (máximo 100m) EIA/TIA-568 100Ω STP (máximo 100m) 100BASE-TX: UTP categoria 5, 5e cabo (máximo 100m) EIA/TIA-568 100Ω STP (máximo 100m) 1000Base-T: UTP categoria 5, 5e cabo (máximo 100m)
Taxa de Dados	10/100/1000Mbps para modo Half-Duplex 20/200/2000Mbps para modo Full-Duplex
Indicador LED	1000Mbps Link/Act, 100Mbps Link/Act, 10Mbps Link/Act, Duplex
Controle de Fluxo	Controle de Fluxo IEEE 802.3x (Full-Duplex)

OUTROS

Certificação	CE, FCC, RoHS
Conteúdo do Pacote	Adaptador de Rede CD de Recursos Guia de Instalação Rápida
Requerimentos do Sistema	Me/NT/2000/XP/Vista/7, Linux/Novell Netware
Ambiente	Temperatura de Operação: 0 °C ~ 40 °C (32 ~ 104 °F) Temperatura de armazenamento: -40 °C ~ 70 °C (-40 ~ 158 °F) Umidade de Operação: 10% ~ 90% sem condensação Umidade de armazenamento: 5% ~ 90% sem condensação

Sobre Nós

Imprensa

Onde Comprar



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Loja Oficial

Brasil / Português

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Bateria Freedom – DF4001



Especificações Técnicas

Tensão Nominal	12V
Capacidade Nominal	
C100	240Ah
C20	220Ah
C10	200Ah
Dimensões	
Comprimento	525 ± 2mm
Largura	275 ± 2mm
Altura com Terminal	250 ± 2mm
Peso	60,3kg ± 5%
Terminal	
Tipo	"L", furo 7mm
Garantia de fábrica	*24 meses



*Desde que observadas as condições de uso conforme manual

** Os valores indicados na tabela acima são meramente referenciais e podem ser alterados, para melhoria da qualidade dos produtos, a qualquer momento sem aviso prévio.

Produtos relacionados



Bateria Freedom – DF300
16 de setembro de 2015



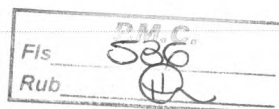
Bateria Freedom – DF500
16 de setembro de 2015



Bateria Freedom – DF700
16 de setembro de 2015



Bateria Freedom – DF1000
16 de setembro de 2015





Baterias Estacionárias
Baterias Seladas VRLA
Baterias de Alta Performance

Rua Senador Vergueiro, 100
Centro - São Caetano do Sul - SP
CEP: 09521-320
Fones: (11) 4227-2477 / 2666-6150

Entre em contato com nossa equipe que irá
assessorá-lo no dimensionamento correto de seu
banco de baterias
Central de Atendimento (11) 4227-2477

Todos os direitos reservados a Bateria Estacionária | Bateria Selada VRLA -
Powersafe.
by Top-Asiole Comunicações.



P.M.C.	
Fls	537
Rub	11

[Handwritten signatures and scribbles]



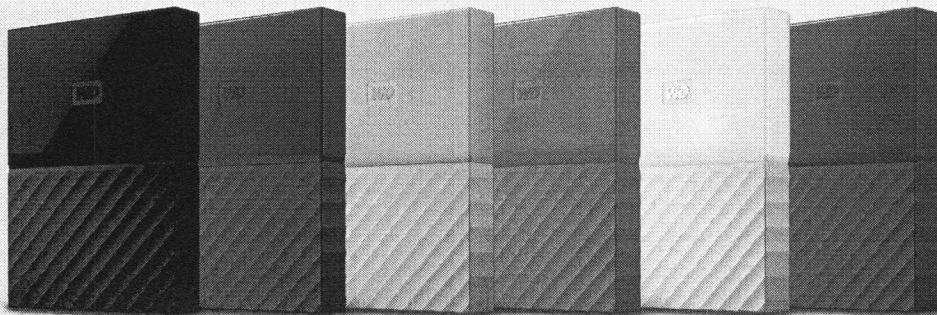
MY PASSPORT™

ARMAZENAMENTO PORTÁTIL

Armazenamento
surpreendente, feito
para a sua criação.

- Backup automático com o software WD Backup™ incluído
- Proteção por senha com criptografia de hardware
- Novo design

My Passport é o armazenamento portátil confiável que complementa perfeitamente seu estilo de vida em movimento. Projetado para caber na palma da mão, há bastante espaço para armazenar uma grande quantidade de fotografias, vídeos, músicas e documentos. Perfeitamente acompanhado pelo software WD Backup e pela proteção por senha, a unidade My Passport ajuda a manter seus arquivos em segurança.





Certificações



A POWERSAFE garante a qualidade de seus produtos, trabalhando com linhas de baterias homologadas pela ANATEL – Agência Nacional de Telecomunicações, órgão federal reconhecido pela exigência de seus ensaios de conformidade e rigorosidade para aprovação da qualidade de produtos testados pelo laboratório acreditado CPqD.

Nossas linhas Freedom e GetPower são ainda certificadas por sistemas de gestão de qualidade, ambiental e segurança.

A POWERSAFE preocupa-se com o meio ambiente e portanto, é também certificada pelo IBAMA.

Confira nossas Certificações:

Certificações Freedom

- ⚡ Certificação ANATEL
- ⚡ Certificação CPqD
- ⚡ Certificação ISO 14001 – Meio Ambiente
- ⚡ Certificação ISO TS 16949 – Qualidade

Certificações Get Power

- ⚡ Certificação ANATEL – Baterias 12V | Certificação ANATEL – Baterias 2V
- ⚡ Certificação CPqD – Baterias 12V | Certificação CPqD – Baterias 2V
- ⚡ Certificação ISO 9001 – Qualidade
- ⚡ Certificação OHSAS 18001 – Segurança e Saúde no Trabalho
- ⚡ Certificação União Européia – CE
- ⚡ ISO 14001 – Meio Ambiente
- ⚡ FISPQ
- ⚡ Ficha de Emergência

Certificação Optima

- ⚡ Certificação INMETRO

Certificações Powersafe

- ⚡ Certificação IBAMA

Consulta rápida

Baterias Estacionárias
Baterias Seladas VRLA
Baterias de Alta Performance

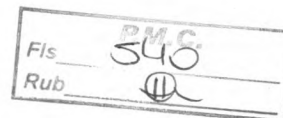
Informações de contato

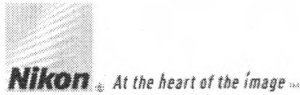
Rua Senador Vergueiro, 100
Centro - São Caetano do Sul – SP
CEP: 09521-320
Fones: (11) 4227-2477 / 2666-6150

Solicite orçamento

Entre em contato com nossa equipe que irá assessorá-lo no dimensionamento correto de seu banco de baterias
Central de Atendimento (11) 4227-2477

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Página Inicial	Produtos Nikon	Nikon Store	Learn & Explore	Assistência Técnica e Suporte	Minha Conta	0
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Comprar Câmeras > DSLR > D3200 Glossário

EU SOU PARA MOMENTOS ESPECIAIS



D3200

Simplemente Fácil
Simplemente Impressionante

★★★★★ 208 análises

Selecione uma opção

Selecione um Modelo

Este produto foi arquivado

SUPORTE AO PRODUTO >

Comparar



- Sensor de imagem CMOS formato DX de 24.2 megapixels
- Vídeo cinematográfico Full HD 1080p



Visão Geral	Especificações Técnicas	Opções da compra	Notas & Opiniões	Suporte
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De relance

Pixel Efetivo (Megapixels)
24,2milhões

Tamanho do Sensor
23,2 mm x 15,4 mm

Formato do Sensor de Imagem
DX

Mídia de Armazenamento
SD
SDHC
SDXC

Velocidade Máxima de Disparo Contínuo com Resolução Total
4 quadros por segundo

Sensibilidade ISO
ISO 100 - 6400
Hi-1 (ISO 12.800)

Video

Full HD 1,920x1,080 / 30 qps
Full HD 1,920x1,080 / 25 qps
Full HD 1,920x1,080 / 24 qps
HD 1,280x720 / 60 qps
HD 1,280x720 / 50 qps
VGA 640x424 / 30 qps
VGA 640x424 / 25 qps

Tamanho do Monitor
3,0 pol. na diagonal

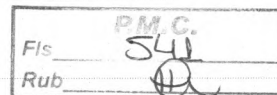
Tipo de Monitor
TFT-LCD com Visão Grande Angular

Bateria/Baterias

Um bateria recarregável de Li-ion EN-EL14a ou bateria recarregável de Li-ion EN-EL14

Aproximadamente Dimensões (Largura x Altura x Profundidade)
125 mm x 96 mm x 76,5 mm

Aproximadamente Peso
455 g
apenas o corpo da câmera



Recolher especificações

▼ Tipo

Tipo	Câmera digital reflex de lente única
Encaixe da Lente	Encaixe baioneta Nikon F

▼ Sensor de Imagem

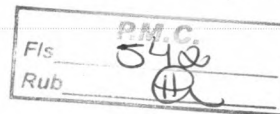
Ângulo da Imagem	Formato DX Nikon (Ângulo efetivo da imagem 1.5x [Aprox.] fator de conversão)
Pixel Efetivo (Megapixels)	24,2milhões
Tamanho do Sensor	23,2 mm x 15,4 mm
Formato do Sensor de Imagem	DX
Tipo do Sensor de Imagem	CMOS
Total de Pixels	24,7milhões
Sistema de redução de poeira	Limpeza do sensor de imagem
Área da Imagem (pixels)	Formato DX (L) 6.016 x 4.000 (M) 4.512 x 3.000 (S) 3.008 x 2.000

▼ Sistema de Arquivos

Formato de Arquivo de Imagens Estáticas	NEF (RAW) de 12 bits Compressão JPEG: Em Conformidade com os Parâmetros JPEG com Compressão fina (aprox. 1:4), Normal (aprox. 1:8) ou Básica (aprox. 1:16) NEF (RAW) + JPEG: Fotografia Única Gravada nos Formatos NEF (RAW) e JPEG
Mídia de Armazenamento	SD SDHC SDXC
Compartimento do Cartão	1 cartão Secure Digital (SD)
Sistema de Arquivos	Em conformidade com DCF (Sistema Padrão de Arquivos da Câmera) 2.0 DPOF (Formato de Pedido de Impressão Digital) EXIF 2.3 (Formato de Arquivos de Imagens Intercambiáveis para Câmeras Digitais Estáticas)

▼ Visor

Visor	Visor Reflex Pentaespelho de Lente Única ao Nível dos Olhos
Cobertura do Quadro do Visor	95% Horizontal (Aprox.)
Ampliação do visor	0,78x (Aprox.)
Distância do Olho do Visor	18mm (-1.0 m ⁻¹)
Ajuste de Dioptria do Visor	de -1.7 a +0.5 m ⁻¹
Tela de Focagem	Tela tipo B BriteView Clear Matte VII
Espelho Reflex	Tipo retorno rápido
Trava do Espelho	Sim (para limpeza do sensor de imagem)



▼ Lente

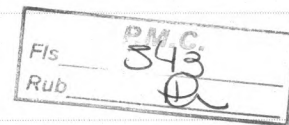
Abertura da Lente	Tipo retorno instantâneo
Resumo da Compatibilidade da Lente***	Lente AF-S Necessária para Foco Automático
Lentes Compatíveis	Sem Suporte a AF NIKKOR para F3AF AF-S, AF-I: Suporta Todas as Funções AI-P NIKKOR: Suporta Todas as Funções, Exceto Foco Automático e Fotometria por Matriz de Cores 3D II A telemetria eletrônica pode ser usada se a Abertura Máxima for f/5.6 ou mais rápida As Lentes IX NIKKOR Não Podem ser Usadas Não-CPU: Sem suporte para o foco automático. Pode ser utilizado no modo M, mas o fotômetro não funciona. Outras AF NIKKOR: Suporta Todas as Funções, Exceto Foco Automático e Fotometria por Matriz de Cores 3D - II AF NIKKOR tipo G ou D: Suporta Todas as Funções Exceto Foco Automático PC NIKKOR tipo C: Suporta Todas as Funções, Exceto Foco Automático e Alguns Modos de Disparo

▼ Obturador

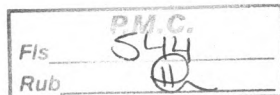
Tipo de Obturador	Plano focal de percurso vertical controlado eletronicamente
Velocidade do Obturador	de 1/4000 a 30 s
Velocidade do Obturador Mais Rápida	1/4000 s
Velocidade do Obturador Mais Lenta	30 s
Velocidade de Sincronismo do Flash	Até 1/200 s
Modos de Liberação do Obturador	Contínuo Controle remoto com retardo Modo remoto de resposta rápida Disparo com som reduzido do obturador Modo de temporizador automático Modo de quadro único [S]
Taxa de Avanço de Quadro	Até 4 qps (foco manual, modo M ou S, velocidade do obturador de 1/250 s ou mais rápida e outras configurações com valores padrão)
Velocidade Máxima de Disparo Contínuo com Resolução Total	4 quadros por segundo
Temporizador Automático	2 s, 5 s, 10 s e 20 s <i>Duração do temporizador controlada eletronicamente</i>

▼ Exposição

Sistema de Fotometria de Exposição	Fotometria da exposição TTL usando sensor RGB de 420 pixels
Método de Fotometria	Ponderação central: Peso de 75% dado ao círculo de 8 mm no centro do quadro Matriz: Fotometria por matriz de cores 3D II (lentes tipo G e D); fotometria por matriz de cores II (outras lentes CPU) Pontual: Mede um círculo de 3.5 mm (cerca de 2.5% do quadro) centralizado no ponto de foco selecionado
Alcance de Fotometria	De 0 a 20 EV (fotometria por matriz ou ponderação central com ISO equivalente a 100, lente de f/1.4, a 20°C) De 2 a 20 EV (fotometria pontual com ISO equivalente a 100, lente de f/1.4 a 20°C)
Acoplador do Fotômetro	CPU
Modos de Exposição	Prioridade de Abertura Automática (A) Automático Automático (flash desligado) Manual (M) Autoprogramado com programa flexível (P) Prioridade do Obturador Automática (S)

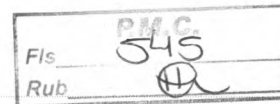


Modos de Cena	Automático Automático [Flash Desligado] Criança Close-up Paisagem Retrato Noturno Retrato Esportes
Compensação de Exposição	±5 EV em incrementos de 1/3 EV
Trava de Exposição	A luminosidade é travada no valor detectado com o botão AE-L/AF-L
Picture Control	Paisagem Monocromático Neutro Retrato O Picture Control Selecionado pode ser Modificado Padrão Vívido
▼ Sensibilidade	
Sensibilidade ISO	ISO 100 -6400 Hi-1 (ISO 12.800)
Sensibilidade ISO Padrão Mais Baixa	100
Sensibilidade ISO Padrão Mais Alta	6400
Sensibilidade ISO Expandida Mais Alta	1 EV acima de ISO 6400 (equivalente a ISO 12800)
Opções de sensibilidade ISO expandidas	1 EV acima de ISO 6400 (equivalente a ISO 12800) Controle automático de sensibilidade ISO disponível
Alta Redução de Ruído ISO	Baixa Normal Alta Desligado
D-Lighting Ativo	Ligado Desligado
▼ Foco/Foco automático	
Modo AF de Ponto Único	Sim
Modo AF Dinâmico	Número de pontos AF: 11 (acompanhamento em 3D)
Modo AF com Área Automática	Sim
Sistema de Foco Automático	Módulo do sensor de foco automático Nikon Multi-CAM 1000 com detecção de fase TTL
Alcance de Detecção	De -1 a +19 EV (ISO 100 a 20°C)
Servo da Lente	Foco Automático (AF): AF de servo único (AF-S); Servo contínuo de AF (AF-C); seleção automática de AF-S/AF-C (AF-A); rastreamento de foco preditivo automaticamente ativado de acordo com o status do objeto/pessoa Foco Manual (MF): A telemetria eletrônica pode ser usada
Ponto de Foco	Podem ser selecionados entre 11 pontos de foco
Trava de Foco	Trava-se o foco pressionando-se o botão AE-L/AF-L Trava-se o foco pressionando-se o botão de disparo do obturador até a metade (servo AF simples)
Modos de Foco	Seleção automática AF-S/AF-C (AF-A) Servo contínuo (AF-C) AF com prioridade de rosto disponível apenas na Exibição ao Vivo e em D-Movie Servo em tempo integral (AF-A) disponível somente no modo de exibição ao vivo



e em D-Movie
Manual (M) com telemetria eletrônica
Área normal disponível na Exibição Ao Vivo e D-Movie apenas
Rastreamento de foco preditivo ativado automaticamente de acordo com o status do assunto
Servo AF único (AF-S)
Área ampla disponível na Exibição Ao Vivo e D-Movie apenas

Áreas/pontos de Foco Automático Máximo	11
Sensibilidade do Foco Automático	De -1 a +19 EV (ISO 100, 20°C)
▼ Flash	
Flash Embutido	Sim
Velocidade de Sincronismo X	1/200
Controle do Flash	TTL: controle do flash i-TTL usando sensor RGB de 420 pixels está disponível com flash embutido e SB-910, SB-900, SB-800, SB-700, SB-600 ou SB-400; flash de preenchimento com compensação i-TTL para SLR digital é usado com fotometria por matriz e ponderação central
Modos de Sincronização de Flash	Sincronismo de cortina frontal (normal) Sincronismo da cortina traseira Redução de olhos vermelhos Redução de olhos vermelhos com sincronismo lento Sincronismo lento
Compensação do Flash	-3 a +1 EV em incrementos de 1/3 EV
Indicador de Flash Pronto	Acende quando o flash embutido ou a unidade de flash opcional (por exemplo, SB-910, SB-900, SB-400, SB-80DX, SB-28DX ou SB-50DX) está totalmente carregado
Sapata de Acessório	Sim
Sistema de Iluminação Criativa Nikon (CLS)	Suporte a CLS
Terminal de Sincronização do Flash	Adaptador do terminal de sincronia AS-15 (disponível separadamente)
▼ Balanço de Branco (WB)	
Balanço de Branco (WB)	Automático Nublado Luz Solar Direta Flash Fluorescente (7 tipos) Incandescente Pré-ajuste Manual Sombra
▼ Exibição ao Vivo	
Disparos no Modo de Exibição ao Vivo	Sim
Servo de Lente no Modo de Exibição ao Vivo	Foco Automático (AF): Servo AF simples (AF-S); servo AF em tempo integral (AF-F) Foco manual (MF)
AF modo área de exibição ao vivo	AF com prioridade de rosto AF de área ampla AF de área normal AF de rastreamento de objeto/pessoa
Foco automático no modo de exibição ao vivo	AF por detecção de contraste em qualquer local do quadro (a câmera seleciona automaticamente o ponto de foco quando o AF com prioridade de rosto ou AF de rastreamento de objeto/pessoa for selecionado)



Seletor Automático de Cena no Modo de Exibição ao Vivo

Modo automático
Modo automático (flash desligado)

▼ Vídeo

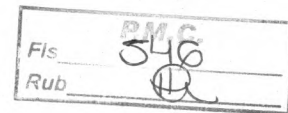
Fotometria de Vídeo	Fotometria da exposição TTL usando um sensor de imagem principal
Tempo máximo de gravação de vídeo	20 min.
Formato de Arquivo de Vídeo	MOV
Compressão de Vídeo	Codificação Avançada de Vídeo H.264/MPEG-4
Formato de gravação de Áudio	PCM linear
Vídeo	Full HD 1,920x1,080 / 30 qps Full HD 1,920x1,080 / 25 qps Full HD 1,920x1,080 / 24 qps HD 1,280x720 / 60 qps HD 1,280x720 / 50 qps VGA 640x424 / 30 qps VGA 640x424 / 25 qps
Áudio do Vídeo	Microfone embutido, monaural Entrada para minipino estéreo opcional (3,5 mm de diâmetro) A sensibilidade do microfone pode ser ajustada

▼ Monitor

Tamanho do Monitor	3,0 pol. na diagonal
Resolução do Monitor	921,000 Pontos
Tipo de Monitor	TFT-LCD com Visão Grande Angular
Ângulo de Visão do Monitor	160 graus de visão grande angular

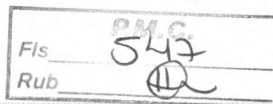
▼ Reprodução

Funções de Reprodução	<p> Rotação Automática da Imagem Tela Cheia e Miniatura (4, 9 ou 72 imagens ou calendário) Realces Exibição de Histograma Comentário de Imagem Reprodução de Vídeo Reprodução com Zoom Apresentação de Slides </p>
Edição de Imagem na Câmera	<p> Equilíbrio de Cores Contorno de Cores Desenho em Cores Iluminação Digital (D-Lighting) Controle de Distorção Efeitos de Filtro Olho de Peixe Sobreposição de Imagem Efeito Miniatura Monocromático Processamento NEF (RAW) Controle de Perspectiva Retoque Rápido Correção de Olhos Vermelhos Redimensionar Cor Seletiva Endireitar Recortar </p>



▼ Interface

Interface	Terminal de Acessórios: Cabo de Controle Remoto: MC-DC2 (disponível separadamente); unidade GPS: GP-1 (disponível separadamente) Entrada de áudio: Conector estéreo minipino (3.5 mm de diâmetro) Saída HDMI: Conector minipino HDMI tipo C USB de alta velocidade Saída de Vídeo: NTSC, PAL
Funcionalidade Wi-Fi	Compatível com Eye-Fi
GPS	Unidade GPS GP-1
▼ Menus	
Configurações Recentes	Sim
Idiomas suportados	Árabe Português brasileiro Chinês (Simplificado e Tradicional) Tcheco Dinamarquês Holandês Inglês Finlandês Francês Alemão Grego Hindu Húngaro Indonésio Italiano Japonês Coreano Norueguês Polonês Português Romeno Russo Espanhol Sueco Tailandês Turco Ucraniano
Configurações de Data, Hora e Horário de Verão	Sim
Configuração da Hora Mundial	Sim
▼ Potência	
Bateria/Baterias	Um bateria recarregável de Li-ion EN-EL14a ou bateria recarregável de Li-ion EN-EL14
Vida Útil da Bateria (fotos por carga)	540 fotos (CIPA)
Adaptador AC	Adaptador AC EH-5a; requer o Conector de Alimentação EP-5 (disponível separadamente)
Carregador de Bateria	Carregador Rápido MH-24
▼ Diversos	
Rosca do Tripé	1/4 pol.
Aproximadamente Dimensões (Largura x Altura x Profundidade)	125 mm x 96 mm x 76,5 mm
Aproximadamente Peso	455 g <i>apenas o corpo da câmera</i>
Ambiente de Operação	0–40 °C (+32–104 °F)



Fis	548
Rub	Ⓜ

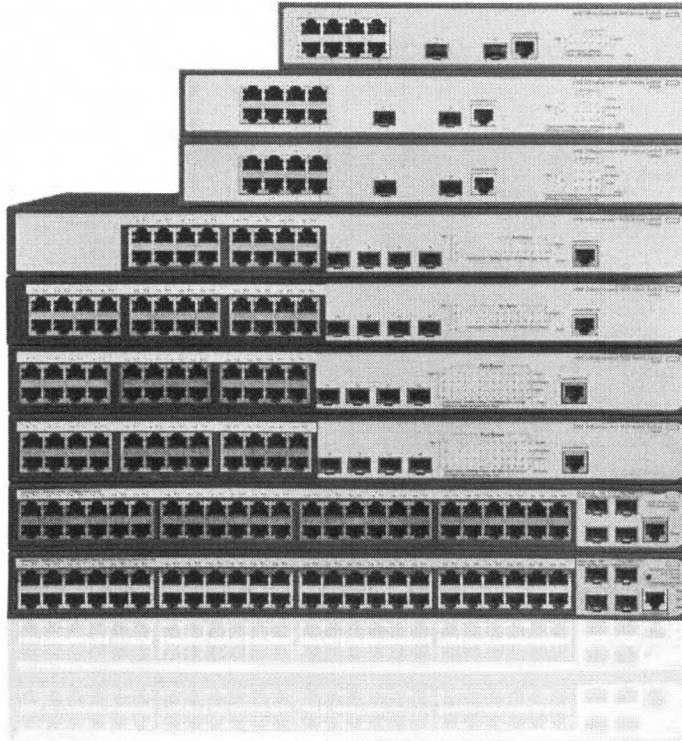
2

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Overview

HPE OfficeConnect 1920 Switch Series

OR



Models

- HPE OfficeConnect 1920 8G Switch
- HPE OfficeConnect 1920 8G PoE+ (65W) Switch
- HPE OfficeConnect 1920 8G PoE+ (180W) Switch
- HPE OfficeConnect 1920 16G Switch
- HPE OfficeConnect 1920 24G Switch
- HPE OfficeConnect 1920 24G PoE+ (180W) Switch
- HPE OfficeConnect 1920 24G PoE+ (370W) Switch
- HPE OfficeConnect 1920 48G Switch
- HPE OfficeConnect 1920 48G PoE+ (370W) Switch

- JG920A
- JG921A
- JG922A
- JG923A
- JG924A
- JG925A
- JG926A
- JG927A
- JG928A

Key features

- Customized operation using intuitive Web interface
- Layer 3 static routing with 32 routes for network segmentation and expansion
- Access control lists for granular security control
- Spanning Tree Protocol : STP, RSTP, and MSTP
- Limited Lifetime warranty

BMC
Fis 54a
Rub

Product overview

The HPE OfficeConnect 1920 Switch Series consists of advanced smart-managed fixed-configuration Gigabit switches designed


Hewlett Packard
Enterprise

Handwritten signatures and initials, including a large 'A' and 'OR' at the top right.

Overview

for small businesses in an easy-to-administer solution. By utilizing the latest design in silicon technology, this series is one of the most power efficient in the market.

The series has 9 switches: four non-PoE models and five PoE+ models. All models are equipped with additional Gigabit SFP ports for fiber connectivity. The 8-, 24- and 48-port PoE+ models are available with PoE or without PoE.

The series is part of the OfficeConnect portfolio of Hewlett Packard Enterprise small business networking products. These switches provide a great value, and includes features to satisfy even the most advanced small business networks. All models support rack mounting or desktop operation. Customizable features include basic Layer 2 features like VLANs and link aggregation, as well as advanced features such as Layer 3 static routing, IPv6, ACLs, and Spanning Tree Protocols. HPE OfficeConnect 1920 Switch Series includes a Limited Lifetime Warranty. This warranty provides advance hardware replacement with next business day shipment in most countries, limited 24x7 telephone support available from HPE for the first 90 days, and limited electronic and business hours telephone support is available from HPE for the entire warranty period.

Features and benefits

Management

- **Simple Web management**
allows for easy management of the switch—even by nontechnical users—through an intuitive Web GUI; supports HTTP and HTTP Secure (HTTPS)
- **Single IP management**
enables management of up to 32 HPE OfficeConnect 1920 switches using a single Web interface; simplifies management of multiple devices
- **SNMPv1, v2c, and v3**
facilitates management of the switch, as the device can be discovered and monitored from an SNMP management station
- **Management Security**
restricts access to critical configuration commands; offers multiple privilege levels with password protection; ACLs provide Telnet and SNMP access; local and remote syslog capabilities allow logging of all access
- **Complete session logging**
provides detailed information for problem identification and resolution
- **Port mirroring**
enables traffic on a port to be simultaneously sent to a network analyzer for monitoring
- **Dual flash images**
provides independent primary and secondary operating system files for backup while upgrading
- **Network Time Protocol (NTP)**
synchronizes timekeeping among distributed time servers and clients; keeps timekeeping consistent among all clock-dependent devices within the network so that the devices can provide diverse applications based on the consistent time
- **Limited CLI**
enables users to quickly deploy and troubleshoot devices in the network
- **Default DHCP client mode**
allows the switch to be directly connected to a network, enabling plug-and-play operation; in absence of a DHCP server on the network, the switch will fall back to a unique static address determined by the switch's MAC address
- **FTP, TFTP, and SFTP support**
offers different mechanisms for configuration updates; FTP allows bidirectional transfers over a TCP/IP network; trivial FTP (TFTP) is a simpler method using User Datagram Protocol (UDP); Secure File Transfer Protocol (SFTP) runs over an SSH tunnel to provide additional security
- **Remote monitoring (RMON)**
uses standard SNMP to monitor essential network functions; supports events, alarm, history, and statistics group plus a private alarm extension group

Quality of Service (QoS)

- **Traffic prioritization**
provides time-sensitive packets (like VoIP and video) with priority over other traffic based on DSCP or IEEE 802.1p

P.M.C.	
Fis	550
Rub	④

Overview

classification; packets are mapped to eight hardware queues for more effective throughput

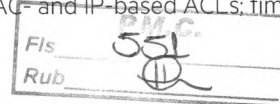
- **IEEE 802.1p/Q**
delivers data to devices based on the priority and type of traffic; supports IEEE 802.1Q
- **Class of Service (CoS)**
sets the IEEE 802.1p priority tag based on IP address, IP Type of Service (ToS), Layer 3 protocol, TCP/UDP port number, source port, and DiffServ
- **Broadcast control**
allows limitation of broadcast traffic rate to cut down on unwanted network broadcast traffic
- **Advanced Classifier based QoS**
classifies traffic using multiple match criteria based on Layer 2, 3, and 4 information; applies QoS policies such as setting priority level and rate limit to selected traffic on a per-port basis
- **Rate limiting**
sets per-port ingress enforced maximums and per-port, per-queue minimums
- **Powerful QoS feature**
supports the following congestion actions: strict priority queuing (SP), weighted round robin (WRR) queuing, and SP+WRR

Connectivity

- **IPv6**
 - **IPv6 host**
enables switches to be managed and deployed at the IPv6 network's edge
 - **IPv6 routing**
supports IPv6 static routes
 - **MLD snooping**
forwards IPv6 multicast traffic to the appropriate interface, preventing traffic flooding
 - **IPv6 ACL/QoS**
supports ACL and QoS for IPv6 network traffic
- **IEEE 802.3X flow control**
provides a flow throttling mechanism propagated through the network to prevent packet loss at a congested node
- **IEEE 802.3af Power over Ethernet (PoE+)**
provides upto 30W per port, which allows support of the latest PoE+-capable devices such as IP phones, wireless access points, and security cameras, as well as any IEEE 802.3af-compliant end device; lowers the cost of additional electrical cabling and circuits that would otherwise be necessary in IP phone and WLAN deployments.
- **Cable diagnostics**
detects cable issues remotely using a browser-based tool
- **Flow control**
provides back pressure using standard IEEE 802.3x, reducing congestion in heavy traffic situations
- **Auto MDI/MDI-X**
adjusts automatically for straight-through or crossover cables on all 10/100/1000 ports

Security

- **Advanced access control lists (ACLs)**
enables network traffic filtering and enhances network control using MAC- and IP-based ACLs; time-based ACLs allow for greater flexibility with managing network access
- **IEEE 802.1X and RADIUS network logins**
controls port-based access for authentication and accountability
- **Secure Socket Layer (SSL)**
encrypts all HTTP traffic, allowing safe access to the browser-based management GUI in the switch
- **Port Isolation**
The port isolation feature isolates Layer 2 traffic for data privacy and security without using VLANs. This feature can also be used to isolate the hosts in a VLAN from one another.



Overview

- **Port Security**
Combines and extends IEEE 802.1X and MAC authentication to provide MAC-based network access control
- **ARP attack protection**
The ARP detection feature enables access devices to block ARP packets from unauthorized clients to prevent user spoofing and gateway spoofing attacks.
- **Automatic VLAN assignment**
assigns users automatically to the appropriate VLAN based on their identity, location and time of day
- **STP BPDU port protection**
blocks Bridge Protocol Data Units (BPDUs) on ports that do not require BPDUs, preventing forged BPDU attacks
- **STP root guard**
protects the root bridge from malicious attacks or configuration mistakes
- **Automatic denial-of-service protection**
monitors for malicious attacks and protects the network by blocking the attacks
- **Management password**
provides security so that only authorized access to the Web browser interface is allowed

Performance

- **Half- and full-duplex auto-negotiating capability on every port**
doubles the throughput on every port
- **Selectable queue configurations**
allows for increased performance by selecting the number of queues and associated memory buffering that best meet the requirements of the network applications
- **IGMP snooping**
improves network performance through multicast filtering, instead of flooding traffic to all ports
- **Fiber uplink**
provides greater distance connectivity using Gigabit Ethernet fiber uplinks

Layer 2 switching

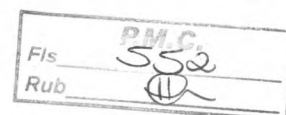
- **Spanning Tree Protocol (STP)**
supports standard IEEE 802.1D STP, IEEE 802.1w Rapid Spanning Tree Protocol (RSTP) for faster convergence, and IEEE 802.1s Multiple Spanning Tree Protocol (MSTP)
- **BPDU filtering**
drops BPDU packets when STP is enabled globally but disabled on a specific port
- **Jumbo frame support**
supports up to 10 kilobyte frame size to improve the performance of large data transfers
- **VLAN support and tagging**
supports IEEE 802.1Q with 4,094 simultaneous VLAN IDs

Layer 3 services

- **Address Resolution Protocol (ARP)**
determines the MAC address of another IP host in the same subnet; supports static ARPs; gratuitous ARP allows detection of duplicate IP addresses; proxy ARP allows normal ARP operation between subnets or when subnets are separated by a Layer 2 network
- **DHCP relay**
simplifies management of DHCP addresses in networks with multiple subnets

Layer 3 routing

- **Static IPv4/IPv6 routing**



Overview

provides basic routing (supporting up to 32 static routes and 8 virtual VLAN interfaces); allows manual routing configuration

Resiliency and high availability

- **Available redundant power supply**
provides additional PoE of up to 795W for high-power applications like PTZ IP cameras, Video IP phones; the HPE RPS1600 Redundant Power System (JG136A), which is sold separately, is for use with the HPE OfficeConnect 1920-24G-PoE+ (180W) switch and HPE OfficeConnect 1920-24G-PoE+(370W) switch models
- **Link aggregation**
groups together multiple ports up to a maximum of eight ports per trunk either automatically using Link Aggregation Control Protocol (LACP), or manually, to form an ultra-high-bandwidth connection to the network backbone; help prevent traffic bottlenecks. The 8 port models support 4 trunks, 16 and 24 port models support 8 trunks, 48 port models support 16 trunks.

Convergence

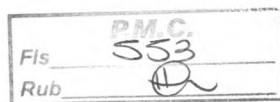
- **LLDP-MED (Media Endpoint Discovery)**
defines a standard extension of LLDP that stores values for parameters such as QoS and VLAN to automatically configure network devices such as IP phones
- **PoE allocations**
supports multiple methods (automatic, IEEE 802.3af class, LLDP-MED, or user-specified) to allocate PoE power for more efficient energy savings
- **Auto voice VLAN**
recognizes IP phones and automatically assigns voice traffic to dedicated VLAN for IP phones

Additional information

- **Green initiative support**
provides support for RoHS and WEEE regulations
- **Green IT and power**
improves energy efficiency through the use of the latest advances in silicon development; shuts off unused ports and utilizes variable-speed fans, reducing energy costs
- **Energy Efficient Ethernet**
Compliant with IEEE 802.3az standard requirements to save energy during periods of low data activity.

Warranty and support

- **Limited Lifetime Warranty**
This series comes with a Limited Lifetime Warranty providing advance hardware replacement with next business day shipment in most countries, 24x7 phone support available for the first 90 days, and electronic and business hours phone support for the entire warranty period. See <http://www.hpe.com/networking/warrantysummary> for full warranty and support information included with your product purchase.



Configuration

Build To Order: BTO is a standalone unit with no integration. BTO products ship standalone are not part of a CTO or Rack-Shippable solution.

HPE OfficeConnect 1920 8G Switch

- 8 RJ-45 auto-negotiating 10/100/1000 ports
- 2 SFP 1000 Mbps ports
- min=0 \ max=2 SFP Transceivers
- 1U - Height

JG920A
See Configuration
NOTE:1, 2

PDU Cable NA/MX/TW/JP

- C15 PDU Jumper Cord (NA/MX/TW/JP)

JG920A #B2B

PDU Cable ROW

- C15 PDU Jumper Cord (ROW)

JG920A #B2C

HPE OfficeConnect 1920 8G PoE+ (65W) Switch

- 8 RJ-45 auto-negotiating 10/100/1000 PoE+ ports
- 2 SFP 1000 Mbps ports
- min=0 \ max=2 SFP Transceivers
- 1U - Height

JG921A
See Configuration
NOTE:1, 2

PDU Cable NA/MX/TW/JP

- C15 PDU Jumper Cord (NA/MX/TW/JP)

JG921A #B2B

PDU Cable ROW

- C15 PDU Jumper Cord (ROW)

JG921A #B2C

HPE OfficeConnect 1920 8G PoE+ (180W) Switch

- 8 RJ-45 auto-negotiating 10/100/1000 PoE+ ports
- 2 SFP 1000 Mbps ports
- min=0 \ max=2 SFP Transceivers
- 1U - Height

JG922A
See Configuration
NOTE:1, 2

PDU Cable NA/MX/TW/JP

- C15 PDU Jumper Cord (NA/MX/TW/JP)

JG922A#B2B

PDU Cable ROW

- C15 PDU Jumper Cord (ROW)

JG922A#B2C

HPE OfficeConnect 1920 16G Switch

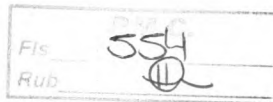
- 16 RJ-45 auto-negotiating 10/100/1000 ports
- 4 SFP 1000 Mbps ports
- min=0 \ max=4 SFP Transceivers
- 1U - Height

JG923A
See Configuration
NOTE:1, 2

PDU Cable NA/MX/TW/JP

- C15 PDU Jumper Cord (NA/MX/TW/JP)

JG923A#B2B

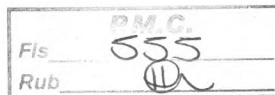


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Configuration

PDU Cable ROW <ul style="list-style-type: none">C15 PDU Jumper Cord (ROW)	JG923A#B2C
HPE OfficeConnect 1920 24G Switch <ul style="list-style-type: none">24 RJ-45 auto-negotiating 10/100/1000 ports4 SFP 1000 Mbps portsmin=0 \ max=4 SFP Transceivers1U - Height	JG924A See Configuration NOTE:1, 2
PDU Cable NA/MX/TW/JP <ul style="list-style-type: none">C15 PDU Jumper Cord (NA/MX/TW/JP)	JG924A#B2B
PDU Cable ROW <ul style="list-style-type: none">C15 PDU Jumper Cord (ROW)	JG924A#B2C
HPE OfficeConnect 1920 24G PoE+ (180W) Switch <ul style="list-style-type: none">24 RJ-45 auto-negotiating 10/100/1000 PoE+ ports4 SFP 1000 Mbps portsmin=0 \ max=4 SFP Transceivers1U - Height	JG925A See Configuration NOTE:1, 2
PDU Cable NA/MX/TW/JP <ul style="list-style-type: none">C15 PDU Jumper Cord (NA/MX/TW/JP)	JG925A#B2B
PDU Cable ROW <ul style="list-style-type: none">C15 PDU Jumper Cord (ROW)	JG925A#B2C
HPE OfficeConnect 1920 24G PoE+ (370W) Switch <ul style="list-style-type: none">24 RJ-45 auto-negotiating 10/100/1000 PoE+ ports4 SFP 1000 Mbps portsmin=0 \ max=4 SFP Transceivers1U - Height	JG926A See Configuration NOTE:1, 2
PDU Cable NA/MX/TW/JP <ul style="list-style-type: none">C15 PDU Jumper Cord (NA/MX/TW/JP)	JG926A#B2B
PDU Cable ROW <ul style="list-style-type: none">C15 PDU Jumper Cord (ROW)	JG926A#B2C
HPE OfficeConnect 1920 48G Switch <ul style="list-style-type: none">48 RJ-45 auto-negotiating 10/100/1000 ports4 SFP 1000 Mbps portsmin=0 \ max=4 SFP Transceivers1U - Height	JG927A See Configuration NOTE:1, 2
PDU Cable NA/MX/TW/JP <ul style="list-style-type: none">C15 PDU Jumper Cord (NA/MX/TW/JP)	JG927A#B2B
PDU Cable ROW <ul style="list-style-type: none">C15 PDU Jumper Cord (ROW)	JG927A#B2C



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Configuration

HPE OfficeConnect 1920 48G PoE+ (370W) Switch

- 48 RJ-45 auto-negotiating 10/100/1000 PoE+ ports
- 4 SFP 1000 Mbps ports
- min=0 \ max=4 SFP Transceivers
- 1U - Height

JG928A
See Configuration
NOTE:1, 2

PDU Cable NA/MX/TW/JP

- C15 PDU Jumper Cord (NA/MX/TW/JP)

JG928A#B2B

PDU Cable ROW

- C15 PDU Jumper Cord (ROW)

JG928A#B2C

Configuration Rules:

Note 1

The following Transceivers install into this switch:

HPE X121 1G SFP LC SX Transceiver	J4858C
HPE X121 1G SFP LC LX Transceiver	J4859C
HPE X121 1G SFP RJ45 T Transceiver	J8177C
HPE X120 1G SFP LC SX Transceiver	JD118B
HPE X120 1G SFP LC LX Transceiver	JD119B
HPE X120 1G SFP RJ45 T Transceiver	JD089B

Note 2

Localization (Wall Power Cord) required on orders without #B2B or #B2C (PDU Power Cord). (See Localization Menu)

Remarks:

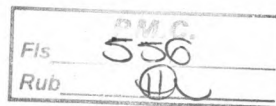
Drop down under power supply should offer the following options and results:
Switch/Router/Power Supply to PDU Power Cord - #B2B in North America, Mexico, Taiwan, and Japan or #B2C ROW. (Watson Default B2B or B2C for Rack Level CTO)
Switch/Router/Power Supply to Wall Power Cord - Localized Option (Watson Default for BTO and Box Level CTO)

Transceivers

SFP Transceivers

- HPE X121 1G SFP LC SX Transceiver
- HPE X121 1G SFP LC LX Transceiver
- HPE X121 1G SFP RJ45 T Transceiver
- HPE X120 1G SFP LC SX Transceiver
- HPE X120 1G SFP LC LX Transceiver
- HPE X120 1G SFP RJ45 T Transceiver

- J4858C
- J4859C
- J8177C
- JD118B
- JD119B
- JD089B



Cables

Multi-Mode Cables

- HPE LC to LC Multi-mode OM3 2-Fiber 0.5m 1-Pack Fiber Optic Cable
- HPE LC to LC Multi-mode OM3 2-Fiber 1.0m 1-Pack Fiber Optic Cable
- HPE LC to LC Multi-mode OM3 2-Fiber 2.0m 1-Pack Fiber Optic Cable
- HPE LC to LC Multi-mode OM3 2-Fiber 5.0m 1-Pack Fiber Optic Cable
- HPE LC to LC Multi-mode OM3 2-Fiber 15.0m 1-Pack Fiber Optic Cable

- AJ833A
- AJ834A
- AJ835A
- AJ836A
- AJ837A

Configuration

HPE LC to LC Multi-mode OM3 2-Fiber 30.0m 1-Pack Fiber Optic Cable	AJ838A
HPE LC to LC Multi-mode OM3 2-Fiber 50.0m 1-Pack Fiber Optic Cable	AJ839A
HPE Premier Flex LC/LC Multi-mode OM4 2 fiber 1m Cable	QK732A
HPE Premier Flex LC/LC Multi-mode OM4 2 fiber 2m Cable	QK733A
HPE Premier Flex LC/LC Multi-mode OM4 2 fiber 5m Cable	QK734A
HPE Premier Flex LC/LC Multi-mode OM4 2 fiber 15m Cable	QK735A
HPE Premier Flex LC/LC Multi-mode OM4 2 fiber 30m Cable	QK736A
HPE Premier Flex LC/LC Multi-mode OM4 2 fiber 50m Cable	QK737A

Switch Enclosure Options

External/Redundant Power Supplies

HPE RPS1600 Redundant Power System	JG136A
<ul style="list-style-type: none"> Height = 1U includes 1 x c13, 1600w and Power Supply port 	See Configuration NOTE:2, 3, 4
HPE RPS1600 1600W AC Power Supply	JG137A
<ul style="list-style-type: none"> Installs into JG136A only 	See Configuration NOTE:1, 3

Configuration Rules:

- Note 1 If this power supply is selected, The JG136A - HPE RPS1600 Redundant Power System must be on order or onsite.
- Note 2 Localization required.
- Note 3 Each switch will only support 1 JG136A and 1 JG137A Power supply systems.
- Note 4 This power supply only supported on switch JG926A and JG928A.

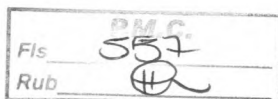
External/Redundant Power Cables

HPE X290 1000 A JD5 2m RPS Cable	JD187A
	See Configuration NOTE:1

Remarks: These cables are used to connect the External Power System to Switch.

Configuration Rules:

- Note 1 This Cable is only supported on switch JG926A and JG928A when used with the RPS 1600 (JG136A)



Technical Specifications

HPE OfficeConnect 1920 8G Switch (JG920A)

I/O ports and slots	8 RJ-45 auto-negotiating 10/100/1000 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T) 2 SFP 100/1000 Mbps slots (IEEE 802.3u Type 100BASE-FX, IEEE 802.3z Type 1000BASE-X) Supports a maximum of 8 autosensing 10/100/1000 ports plus 2 SFP 100/1000 slots												
Additional ports and slots	1 RJ-45 console port to access limited CLI port												
Physical characteristics	<table border="0"> <tr> <td style="vertical-align: top;">Dimensions</td> <td>10.47(w) x 6.38(d) x 1.73(h) in (26.6 x 16.2 x 4.4 cm) (1U height)</td> </tr> <tr> <td style="vertical-align: top;">Weight</td> <td>1.98 lb (0.9 kg)</td> </tr> </table>	Dimensions	10.47(w) x 6.38(d) x 1.73(h) in (26.6 x 16.2 x 4.4 cm) (1U height)	Weight	1.98 lb (0.9 kg)								
Dimensions	10.47(w) x 6.38(d) x 1.73(h) in (26.6 x 16.2 x 4.4 cm) (1U height)												
Weight	1.98 lb (0.9 kg)												
Memory and processor	MIPS @ 500 MHz, 32 MB flash, 128 MB SDRAM; packet buffer size: 512 KB												
Mounting and enclosure	Mounts in an EIA standard 19-inch telco rack or equipment cabinet (hardware included), Wall Mount												
Performance	<table border="0"> <tr> <td style="vertical-align: top;">100 Mb Latency</td> <td>< 5 μs</td> </tr> <tr> <td style="vertical-align: top;">1000 Mb Latency</td> <td>< 5 μs</td> </tr> <tr> <td style="vertical-align: top;">Throughput</td> <td>14.8 Mpps (64-byte packets)</td> </tr> <tr> <td style="vertical-align: top;">Routing/Switching capacity</td> <td>20 Gbps</td> </tr> <tr> <td style="vertical-align: top;">Routing table size</td> <td>32 entries (IPv4), 32 entries (IPv6)</td> </tr> <tr> <td style="vertical-align: top;">MAC address table size</td> <td>8192 entries</td> </tr> </table>	100 Mb Latency	< 5 μ s	1000 Mb Latency	< 5 μ s	Throughput	14.8 Mpps (64-byte packets)	Routing/Switching capacity	20 Gbps	Routing table size	32 entries (IPv4), 32 entries (IPv6)	MAC address table size	8192 entries
100 Mb Latency	< 5 μ s												
1000 Mb Latency	< 5 μ s												
Throughput	14.8 Mpps (64-byte packets)												
Routing/Switching capacity	20 Gbps												
Routing table size	32 entries (IPv4), 32 entries (IPv6)												
MAC address table size	8192 entries												
Reliability	<table border="0"> <tr> <td style="vertical-align: top;">MTBF (years)</td> <td>128.20</td> </tr> </table>	MTBF (years)	128.20										
MTBF (years)	128.20												
Environment	<table border="0"> <tr> <td style="vertical-align: top;">Operating temperature</td> <td>32°F to 104°F (0°C to 40°C)</td> </tr> <tr> <td style="vertical-align: top;">Operating relative humidity</td> <td>10% to 90%, noncondensing</td> </tr> <tr> <td style="vertical-align: top;">Nonoperating/Storage temperature</td> <td>-40°F to 158°F (-40°C to 70°C)</td> </tr> <tr> <td style="vertical-align: top;">Nonoperating/Storage relative humidity</td> <td>10% to 95%, noncondensing</td> </tr> <tr> <td style="vertical-align: top;">Altitude</td> <td>up to 16,404 ft (5 km)</td> </tr> <tr> <td style="vertical-align: top;">Acoustic</td> <td>Pressure: 0 dB No Fan</td> </tr> </table>	Operating temperature	32°F to 104°F (0°C to 40°C)	Operating relative humidity	10% to 90%, noncondensing	Nonoperating/Storage temperature	-40°F to 158°F (-40°C to 70°C)	Nonoperating/Storage relative humidity	10% to 95%, noncondensing	Altitude	up to 16,404 ft (5 km)	Acoustic	Pressure: 0 dB No Fan
Operating temperature	32°F to 104°F (0°C to 40°C)												
Operating relative humidity	10% to 90%, noncondensing												
Nonoperating/Storage temperature	-40°F to 158°F (-40°C to 70°C)												
Nonoperating/Storage relative humidity	10% to 95%, noncondensing												
Altitude	up to 16,404 ft (5 km)												
Acoustic	Pressure: 0 dB No Fan												
Electrical characteristics	<table border="0"> <tr> <td style="vertical-align: top;">Frequency</td> <td>50/60 Hz</td> </tr> <tr> <td style="vertical-align: top;">AC voltage</td> <td>100 - 240 VAC</td> </tr> <tr> <td style="vertical-align: top;">Maximum power rating</td> <td>9 W</td> </tr> <tr> <td style="vertical-align: top;">Notes</td> <td>Maximum power rating and maximum heat dissipation are the worst-case theoretical maximum numbers provided for planning the infrastructure with fully loaded PoE (if equipped), 100% traffic, all ports plugged in, and all modules populated.</td> </tr> </table>	Frequency	50/60 Hz	AC voltage	100 - 240 VAC	Maximum power rating	9 W	Notes	Maximum power rating and maximum heat dissipation are the worst-case theoretical maximum numbers provided for planning the infrastructure with fully loaded PoE (if equipped), 100% traffic, all ports plugged in, and all modules populated.				
Frequency	50/60 Hz												
AC voltage	100 - 240 VAC												
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Safety	UL 60950; IEC 60950-1; EN 60950-1; CAN/CSA-C22.2 No. 60950-1-03												
Emissions	FCC part 15 Class A; VCCI Class A; EN 55022 Class A; CISPR 22 Class A; EN 55024; EN 61000-3-2 2000, 61000-3-3; ICES-003 Class A												
Management	IMC - Intelligent Management Center; limited command-line interface; Web browser; SNMP Manager; IEEE 802.3 Ethernet MIB												
Notes	SFP port and copper ports work simultaneously, independent of each other, to provide a total of 10 Gigabit switching ports.												
Services	Refer to the Hewlett Packard Enterprise website at http://www.hpe.com/networking/services for details on the service-level descriptions and product numbers. For details about services and response												

Technical Specifications

times in your area, please contact your local Hewlett Packard Enterprise sales office.

HPE OfficeConnect 1920 8G PoE+ (65W) Switch (JG921A)

I/O ports and slots 8 RJ-45 auto-negotiating 10/100/1000 PoE+ ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T, IEEE 802.3af PoE, IEEE 802.3at)
 2 SFP 100/1000 Mbps slots (IEEE 802.3u Type 100BASE-FX, IEEE 802.3z Type 1000BASE-X)
 S Supports a maximum of 8 autosensing 10/100/1000 ports plus 2 SFP 100/1000 slots

Additional ports and slots 1 RJ-45 console port to access limited CLI port

Physical characteristics **Dimensions** 12.99(w) x 9.06(d) x 1.73(h) in (33 x 23 x 4.4 cm) (1U height)

Weight 6.5 lb (2.95 kg)

Memory and processor MIPS @ 500 MHz, 32 MB flash, 128 MB SDRAM; packet buffer size: 512 KB

Mounting and enclosure Mounts in an EIA standard 19-inch telco rack or equipment cabinet (hardware included)

Performance **100 Mb Latency** < 5 μs

1000 Mb Latency < 5 μs

Throughput 14.8 Mpps (64-byte packets)

Routing/Switching capacity 20 Gbps

Routing table size 32 entries (IPv4), 32 entries (IPv6)

MAC address table size 8192 entries

Reliability **MTBF (years)** 76.33

Environment **Operating temperature** 32°F to 104°F (0°C to 40°C)

Operating relative humidity 10% to 90%, noncondensing

Nonoperating/Storage temperature -40°F to 158°F (-40°C to 70°C)

Nonoperating/Storage relative humidity 10% to 95%, noncondensing

Altitude up to 16,404 ft (5 km)

Acoustic Pressure: 0 dB No Fan

Electrical characteristics **Frequency** 50/60 Hz

AC voltage 100 - 240 VAC

Maximum power rating 94 W

PoE power 65 W PoE+

Notes Maximum power rating and maximum heat dissipation are the worst-case theoretical maximum numbers provided for planning the infrastructure with fully loaded PoE (if equipped), 100% traffic, all ports plugged in, and all modules populated.

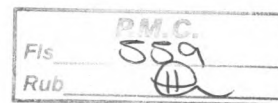
PoE power is the power supplied by the internal power supply. It is dependent on the type and quantity of power supplies.

Safety UL 60950; IEC 60950-1; EN 60950-1; CAN/CSA-C22.2 No. 60950-1-03

Emissions FCC part 15 Class A; VCCI Class A; EN 55022 Class A; CISPR 22 Class A; EN 55024; EN 61000-3-2 2000, 61000-3-3; ICES-003 Class A

Management IMC - Intelligent Management Center; limited command-line interface; Web browser; SNMP Manager; IEEE 802.3 Ethernet MIB

Notes SFP port and copper ports work simultaneously, independent of each other, to provide a total of 10 Gigabit switching ports.



Technical Specifications

Services

Refer to the Hewlett Packard Enterprise website at <http://www.hpe.com/networking/services> for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local Hewlett Packard Enterprise sales office.

HPE OfficeConnect 1920 8G PoE+ (180W) Switch (JG922A)

I/O ports and slots

8 RJ-45 auto-negotiating 10/100/1000 PoE+ ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T, IEEE 802.3af PoE, IEEE 802.3at)

2 SFP 100/1000 Mbps slots (IEEE 802.3u Type 100BASE-FX, IEEE 802.3z Type 1000BASE-X)

Supports a maximum of 8 autosensing 10/100/1000 ports plus 2 SFP 100/1000 slots

Additional ports and slots

1 RJ-45 console port to access limited CLI port

Physical characteristics

Dimensions 12.99(w) x 9.06(d) x 1.73(h) in (33 x 23 x 4.4 cm) (1U height)

Weight 7.05 lb (3.2 kg)

Memory and processor

MIPS @ 500 MHz, 32 MB flash, 128 MB SDRAM; packet buffer size: 512 KB

Mounting and enclosure

Mounts in an EIA standard 19-inch telco rack or equipment cabinet (hardware included)

Performance

100 Mb Latency < 5 μ s

1000 Mb Latency < 5 μ s

Throughput 14.8 Mpps (64-byte packets)

Routing/Switching capacity 20 Gbps

Routing table size 32 entries (IPv4), 32 entries (IPv6)

MAC address table size 8192 entries

Reliability

MTBF (years) 64.51

Environment

Operating temperature 32°F to 104°F (0°C to 40°C)

Operating relative humidity 10% to 90%, noncondensing

Nonoperating/Storage temperature -40°F to 158°F (-40°C to 70°C)

Nonoperating/Storage relative humidity 10% to 95%, noncondensing

Altitude up to 16,404 ft (5 km)

Acoustic Low-speed fan: 43.6 dB, High-speed fan: 51.5 dB; ISO 7779

Electrical characteristics

Frequency 50/60 Hz

AC voltage 100 - 240 VAC

Maximum power rating 235 W

PoE power 180 W PoE+

Notes

Maximum power rating and maximum heat dissipation are the worst-case theoretical maximum numbers provided for planning the infrastructure with fully loaded PoE (if equipped), 100% traffic, all ports plugged in, and all modules populated.

PoE power is the power supplied by the internal power supply. It is dependent on the type and quantity of power supplies.

Safety

UL 60950; IEC 60950-1; EN 60950-1; CAN/CSA-C22.2 No. 60950-1-03

Emissions

FCC part 15 Class A; VCCI Class A; EN 55022 Class A; CISPR 22 Class A; EN 55024; EN 61000-3-2 2000, 61000-3-3; ICES-003 Class A

Management

IMC - Intelligent Management Center; limited command-line interface; Web browser; SNMP Manager; IEEE 802.3 Ethernet MIB

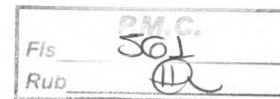


Technical Specifications

Notes	SFP port and copper ports work simultaneously, independent of each other, to provide a total of 10 Gigabit switching ports.
Services	Refer to the Hewlett Packard Enterprise website at http://www.hpe.com/networking/services for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local Hewlett Packard Enterprise sales office.

HPE OfficeConnect 1920 16G Switch (JG923A)

I/O ports and slots	16 RJ-45 auto-negotiating 10/100/1000 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T) 4 SFP 100/1000 Mbps slots (IEEE 802.3u Type 100BASE-FX, IEEE 802.3z Type 1000BASE-X) Supports a maximum of 16 autosensing 10/100/1000 ports plus 4 SFP 100/1000 slots																																																
Additional ports and slots	1 RJ-45 console port to access limited CLI port																																																
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Memory and processor	MIPS @ 500 MHz, 32 MB flash, 128 MB SDRAM; packet buffer size: 512 KB																																																
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Performance	<table> <tr> <td>100 Mb Latency</td> <td>< 5 μs</td> </tr> <tr> <td>1000 Mb Latency</td> <td>< 5 μs</td> </tr> <tr> <td>Throughput</td> <td>29.8 Mpps (64-byte packets)</td> </tr> <tr> <td>Routing/Switching capacity</td> <td>40 Gbps</td> </tr> <tr> <td>Routing table size</td> <td>32 entries (IPv4), 32 entries (IPv6)</td> </tr> <tr> <td>MAC address table size</td> <td>8192 entries</td> </tr> <tr> <td>Reliability</td> <td> <table> <tr> <td>MTBF (years)</td> <td>125</td> </tr> </table> </td> </tr> <tr> <td>Environment</td> <td> <table> <tr> <td>Operating temperature</td> <td>32°F to 104°F (0°C to 40°C)</td> </tr> <tr> <td>Operating relative humidity</td> <td>10% to 90%, noncondensing</td> </tr> <tr> <td>Nonoperating/Storage temperature</td> <td>-40°F to 158°F (-40°C to 70°C)</td> </tr> <tr> <td>Nonoperating/Storage relative humidity</td> <td>10% to 95%, noncondensing</td> </tr> <tr> <td>Altitude</td> <td>up to 16,404 ft (5 km)</td> </tr> <tr> <td>Acoustic</td> <td>No Fan</td> </tr> </table> </td> </tr> <tr> <td>Electrical characteristics</td> <td> <table> <tr> <td>Frequency</td> <td>50/60 Hz</td> </tr> <tr> <td>AC voltage</td> <td>100 - 240 VAC</td> </tr> <tr> <td>Maximum power rating</td> <td>13 W</td> </tr> <tr> <td>Notes</td> <td>Maximum power rating and maximum heat dissipation are the worst-case theoretical maximum numbers provided for planning the infrastructure with fully loaded PoE (if equipped), 100% traffic, all ports plugged in, and all modules populated.</td> </tr> </table> </td> </tr> <tr> <td>Safety</td> <td>UL 60950; IEC 60950-1; EN 60950-1; CAN/CSA-C22.2 No. 60950-1-03</td> </tr> <tr> <td>Emissions</td> <td>FCC part 15 Class A; VCCI Class A; EN 55022 Class A; CISPR 22 Class A; EN 55024; EN 61000-3-2 2000, 61000-3-3; ICES-003 Class A</td> </tr> <tr> <td>Management</td> <td>IMC - Intelligent Management Center; limited command-line interface; Web browser; SNMP Manager; IEEE 802.3 Ethernet MIB</td> </tr> <tr> <td>Notes</td> <td>SFP ports and copper ports can work simultaneously, independent of each other, to provide a total of</td> </tr> </table>	100 Mb Latency	< 5 μ s	1000 Mb Latency	< 5 μ s	Throughput	29.8 Mpps (64-byte packets)	Routing/Switching capacity	40 Gbps	Routing table size	32 entries (IPv4), 32 entries (IPv6)	MAC address table size	8192 entries	Reliability	<table> <tr> <td>MTBF (years)</td> <td>125</td> </tr> </table>	MTBF (years)	125	Environment	<table> <tr> <td>Operating temperature</td> <td>32°F to 104°F (0°C to 40°C)</td> </tr> <tr> <td>Operating relative humidity</td> <td>10% to 90%, noncondensing</td> </tr> <tr> <td>Nonoperating/Storage temperature</td> <td>-40°F to 158°F (-40°C to 70°C)</td> </tr> <tr> <td>Nonoperating/Storage relative humidity</td> <td>10% to 95%, noncondensing</td> </tr> <tr> <td>Altitude</td> <td>up to 16,404 ft (5 km)</td> </tr> <tr> <td>Acoustic</td> <td>No Fan</td> </tr> </table>	Operating temperature	32°F to 104°F (0°C to 40°C)	Operating relative humidity	10% to 90%, noncondensing	Nonoperating/Storage temperature	-40°F to 158°F (-40°C to 70°C)	Nonoperating/Storage relative humidity	10% to 95%, noncondensing	Altitude	up to 16,404 ft (5 km)	Acoustic	No Fan	Electrical characteristics	<table> <tr> <td>Frequency</td> <td>50/60 Hz</td> </tr> <tr> <td>AC voltage</td> <td>100 - 240 VAC</td> </tr> <tr> <td>Maximum power rating</td> <td>13 W</td> </tr> <tr> <td>Notes</td> <td>Maximum power rating and maximum heat dissipation are the worst-case theoretical maximum numbers provided for planning the infrastructure with fully loaded PoE (if equipped), 100% traffic, all ports plugged in, and all modules populated.</td> </tr> </table>	Frequency	50/60 Hz	AC voltage	100 - 240 VAC	Maximum power rating	13 W	Notes	Maximum power rating and maximum heat dissipation are the worst-case theoretical maximum numbers provided for planning the infrastructure with fully loaded PoE (if equipped), 100% traffic, all ports plugged in, and all modules populated.	Safety	UL 60950; IEC 60950-1; EN 60950-1; CAN/CSA-C22.2 No. 60950-1-03	Emissions	FCC part 15 Class A; VCCI Class A; EN 55022 Class A; CISPR 22 Class A; EN 55024; EN 61000-3-2 2000, 61000-3-3; ICES-003 Class A	Management	IMC - Intelligent Management Center; limited command-line interface; Web browser; SNMP Manager; IEEE 802.3 Ethernet MIB	Notes	SFP ports and copper ports can work simultaneously, independent of each other, to provide a total of
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Technical Specifications

Services 20 Gigabit Ethernet-capable ports.
 Refer to the Hewlett Packard Enterprise website at <http://www.hpe.com/networking/services> for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local Hewlett Packard Enterprise sales office.

HPE OfficeConnect 1920 24G Switch (JG924A)

I/O ports and slots 24 RJ-45 auto-negotiating 10/100/1000 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T)

4 SFP 100/1000 Mbps slots (IEEE 802.3u Type 100BASE-FX, IEEE 802.3z Type 1000BASE-X)
 Supports a maximum of 24 autosensing 10/100/1000 ports plus 4 SFP 100/1000 slots

Additional ports and slots 1 RJ-45 console port to access limited CLI port

Physical characteristics **Dimensions** 17.32(w) x 6.81(d) x 1.73(h) in (44 x 17.3 x 4.4 cm) (1U height)

Weight 4.96 lb (2.25 kg)

Memory and processor MIPS @ 500 MHz, 32 MB flash, 128 MB SDRAM; packet buffer size: 512 KB

Mounting and enclosure Mounts in an EIA standard 19-inch telco rack or equipment cabinet (hardware included)

Performance **100 Mb Latency** < 5 μs

1000 Mb Latency < 5 μs

Throughput 41.7 Mpps (64-byte packets)

Routing/Switching capacity 56 Gbps

Routing table size 32 entries (IPv4), 32 entries (IPv6)

MAC address table size 8192 entries

Reliability **MTBF (years)** 120.48

Environment **Operating temperature** 32°F to 104°F (0°C to 40°C)

Operating relative humidity 10% to 90%, noncondensing

Nonoperating/Storage temperature -40°F to 158°F (-40°C to 70°C)

Nonoperating/Storage relative humidity 10% to 95%, noncondensing

Altitude up to 16,404 ft (5 km)

Acoustic No Fan

Electrical characteristics **Frequency** 50/60 Hz

AC voltage 100 - 240 VAC

Maximum power rating 19 W

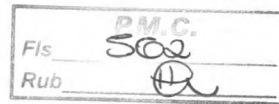
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Safety UL 60950; IEC 60950-1; EN 60950-1; CAN/CSA-C22.2 No. 60950-1-03

Emissions FCC part 15 Class A; VCCI Class A; EN 55022 Class A; CISPR 22 Class A; EN 55024; EN 61000-3-2 2000, 61000-3-3; ICES-003 Class A

Management IMC - Intelligent Management Center; limited command-line interface; Web browser; SNMP Manager; IEEE 802.3 Ethernet MIB

Notes SFP ports and copper ports can work simultaneously, independent of each other, to provide a total of 28 Gigabit Ethernet-capable ports.



Technical Specifications

Services Refer to the Hewlett Packard Enterprise website at <http://www.hpe.com/networking/services> for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local Hewlett Packard Enterprise sales office.

HPE OfficeConnect 1920 24G PoE+ (180W) Switch (JG925A)

I/O ports and slots 24 RJ-45 auto-negotiating 10/100/1000 PoE+ ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T, IEEE 802.3af PoE, IEEE 802.3at)
4 SFP 100/1000 Mbps slots (IEEE 802.3u Type 100BASE-FX, IEEE 802.3z Type 1000BASE-X)
Supports a maximum of 24 autosensing 10/100/1000 ports plus 4 SFP 100/1000 slots

Additional ports and slots 1 RJ-45 console port to access limited CLI port

Physical characteristics **Dimensions** 17.32(w) x 9.37(d) x 1.73(h) in (44 x 23.8 x 4.4 cm) (1U height)
Weight 7.5 lb (3.4 kg)

Memory and processor MIPS @ 500 MHz, 32 MB flash, 128 MB SDRAM; packet buffer size: 512 KB

Mounting and enclosure Mounts in an EIA standard 19-inch telco rack or equipment cabinet (hardware included)

Performance **100 Mb Latency** < 5 μ s
1000 Mb Latency < 5 μ s
Throughput 41.7 Mpps (64-byte packets)
Routing/Switching capacity 56 Gbps
Routing table size 32 entries (IPv4), 32 entries (IPv6)
MAC address table size 8192 entries

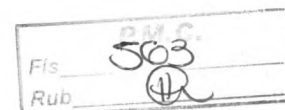
Reliability **MTBF (years)** 68.96

Environment **Operating temperature** 32°F to 104°F (0°C to 40°C)
Operating relative humidity 10% to 90%, noncondensing
Nonoperating/Storage temperature -40°F to 158°F (-40°C to 70°C)
Nonoperating/Storage relative humidity 10% to 95%, noncondensing

Altitude up to 16,404 ft (5 km)
Acoustic Power: 44.9 dB, Pressure: 53.3 dB; ISO 7779

Electrical characteristics **Frequency** 50/60 Hz
AC voltage 100 - 240 VAC
Maximum power rating 235 W
PoE power 180 W PoE+

Notes Maximum power rating and maximum heat dissipation are the worst-case theoretical maximum numbers provided for planning the infrastructure with fully loaded PoE (if equipped), 100% traffic, all ports plugged in, and all modules populated.
PoE power is the power supplied by the internal power supply. It is dependent on the type and quantity of power supplies.



Safety UL 60950; IEC 60950-1; EN 60950-1; CAN/CSA-C22.2 No. 60950-1-03

Emissions FCC part 15 Class A; VCCI Class A; EN 55022 Class A; CISPR 22 Class A; EN 55024; EN 61000-3-2 2000, 61000-3-3; ICES-003 Class A

Management IMC - Intelligent Management Center; limited command-line interface; Web browser; SNMP Manager; IEEE 802.3 Ethernet MIB

Technical Specifications

Notes	SFP ports and copper ports work simultaneously, independent of each other, to provide a total of 28 Gigabit switching ports.
Services	Refer to the Hewlett Packard Enterprise website at http://www.hpe.com/networking/services for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local Hewlett Packard Enterprise sales office.

HPE OfficeConnect 1920 24G PoE+ (370W) Switch (JG926A)

I/O ports and slots	24 RJ-45 auto-negotiating 10/100/1000 PoE+ ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T, IEEE 802.3af PoE, IEEE 802.3at) 4 SFP 100/1000 Mbps slots (IEEE 802.3u Type 100BASE-FX, IEEE 802.3z Type 1000BASE-X) Supports a maximum of 24 autosensing 10/100/1000 ports plus 4 SFP 100/1000 slots
Additional ports and slots	1 RJ-45 console port to access limited CLI port

Physical characteristics	Dimensions	17.32(w) x 10.24(d) x 1.73(h) in (44 x 26 x 4.4 cm) (1U height)
	Weight	7.5 lb (3.4 kg)

Memory and processor MIPS @ 500 MHz, 32 MB flash, 128 MB SDRAM; packet buffer size: 512 KB

Mounting and enclosure Mounts in an EIA standard 19-inch telco rack or equipment cabinet (hardware included)

Performance	100 Mb Latency	< 5 μ s
	1000 Mb Latency	< 5 μ s
	Throughput	up to 41.7 Mpps (64-byte packets)
	Routing/Switching capacity	56 Gbps
	Routing table size	32 entries (IPv4), 32 entries (IPv6)
	MAC address table size	8192 entries

Reliability	MTBF (years)	65.78
Environment	Operating temperature	32°F to 104°F (0°C to 40°C)
	Operating relative humidity	10% to 90%, noncondensing
	Nonoperating/Storage temperature	-40°F to 158°F (-40°C to 70°C)
	Nonoperating/Storage relative humidity	10% to 95%, noncondensing

	Altitude	up to 16,404 ft (5 km)
	Acoustic	Low-speed fan: 44.9 dB, High-speed fan: 53.3 dB; ISO 7779

Electrical characteristics	Frequency	50/60 Hz
	AC voltage	100 - 240 VAC
	Maximum power rating	474 W
	PoE power	370 W PoE+

Notes Maximum power rating and maximum heat dissipation are the worst-case theoretical maximum numbers provided for planning the infrastructure with fully loaded PoE (if equipped), 100% traffic, all ports plugged in, and all modules populated.

PoE power is the power supplied by the internal power supply. It is dependent on the type and quantity of power supplies and may be supplemented with the use of an external power supply (EPS). When supplemented with the use of an HP RPS1600 Redundant Power System, up to 795 W of PoE+ can be supplied. Unit max. power consumption with RPS is 833 W.



Technical Specifications

Safety	UL 60950; IEC 60950-1; EN 60950-1; CAN/CSA-C22.2 No. 60950-1-03
Emissions	FCC part 15 Class A; VCCI Class A; EN 55022 Class A; CISPR 22 Class A; EN 55024; EN 61000-3-2 2000, 61000-3-3; ICES-003 Class A
Management	IMC - Intelligent Management Center; limited command-line interface; Web browser; SNMP Manager; IEEE 802.3 Ethernet MIB
Notes	SFP ports and copper ports can work simultaneously, independent of each other, to provide a total of 28 Gigabit switching ports.
Services	Refer to the Hewlett Packard Enterprise website at http://www.hpe.com/networking/services for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local Hewlett Packard Enterprise sales office.

HPE OfficeConnect 1920 48G Switch (JG927A)

I/O ports and slots 48 RJ-45 auto-negotiating 10/100/1000 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T)
 4 SFP 100/1000 Mbps slots (IEEE 802.3u Type 100BASE-FX, IEEE 802.3z Type 1000BASE-X)
 Supports a maximum of 48 autosensing 10/100/1000 ports plus 4 SFP 100/1000 slots

Additional ports and slots 1 RJ-45 console port to access limited CLI port

Physical characteristics **Dimensions** 17.32(w) x 9.37(d) x 1.73(h) in (44 x 23.8 x 4.4 cm) (1U height)
Weight 6.94 lb (3.15 kg)

Memory and processor MIPS @ 650 MHz, 32 MB flash, 128 MB SDRAM; packet buffer size: 1.5 MB

Mounting and enclosure Mounts in an EIA standard 19-inch telco rack or equipment cabinet (hardware included)

Performance **100 Mb Latency** < 5 μs
1000 Mb Latency < 5 μs
Throughput 77.4 Mpps (64-byte packets)
Routing/Switching capacity 104 Gbps
Routing table size 32 entries (IPv4), 32 entries (IPv6)
MAC address table size 16384 entries

Reliability **MTBF (years)** 76.92

Environment **Operating temperature** 32°F to 104°F (0°C to 40°C)
Operating relative humidity 10% to 90%, noncondensing
Nonoperating/Storage temperature -40°F to 158°F (-40°C to 70°C)
Nonoperating/Storage relative humidity 10% to 95%, noncondensing

Altitude
Acoustic Pressure: 49.7 dB; ISO 7779

Electrical characteristics **Frequency** 50/60 Hz
 Achieved Miercom Certified Green Award

AC voltage 100 - 240 VAC

Maximum power rating 32 W

Notes Maximum power rating and maximum heat dissipation are the worst-case theoretical maximum numbers provided for planning the infrastructure with fully loaded PoE (if equipped), 100% traffic, all ports plugged in, and all modules populated.

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Technical Specifications

Safety	UL 60950; IEC 60950-1; EN 60950-1; CAN/CSA-C22.2 No. 60950-1-03
Emissions	FCC part 15 Class A; VCCI Class A; EN 55022 Class A; CISPR 22 Class A; EN 55024; EN 61000-3-2 2000, 61000-3-3; ICES-003 Class A
Management	IMC - Intelligent Management Center; limited command-line interface; Web browser; SNMP Manager; IEEE 802.3 Ethernet MIB
Notes	SFP ports and copper ports work simultaneously, independent of each other, to provide a total of 52 Gigabit Ethernet-capable ports.
Services	Refer to the Hewlett Packard Enterprise website at http://www.hpe.com/networking/services for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local Hewlett Packard Enterprise sales office.

HPE OfficeConnect 1920 48G PoE+ (370W) Switch (JG928A)

I/O ports and slots	48 RJ-45 auto-negotiating 10/100/1000 PoE+ ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T, IEEE 802.3af PoE, IEEE 802.3at) 4 SFP 100/1000 Mbps slots (IEEE 802.3u Type 100BASE-FX, IEEE 802.3z Type 1000BASE-X) Supports a maximum of 48 autosensing 10/100/1000 ports plus 4 SFP 100/1000 slots	
Additional ports and slots	1 RJ-45 console port to access limited CLI port	
Physical characteristics	Dimensions	17.32(w) x 17.32(d) x 1.73(h) in (44 x 44 x 4.4 cm) (1U height)
	Weight	9.48 lb (4.3 kg)
Memory and processor	MIPS @ 650 MHz, 32 MB flash, 128 MB SDRAM; packet buffer size: 1.5 MB	
Mounting and enclosure	Mounts in an EIA standard 19-inch telco rack or equipment cabinet (hardware included)	
Performance	100 Mb Latency	< 5 μs
	1000 Mb Latency	< 5 μs
	Throughput	up to 77.4 Mpps (64-byte packets)
	Routing/Switching capacity	104 Gbps
	Routing table size	32 entries (IPv4), 32 entries (IPv6)
	MAC address table size	16384 entries
	MTBF (years)	44.44
Reliability	Operating temperature	32°F to 104°F (0°C to 40°C)
Environment	Operating relative humidity	10% to 90%, noncondensing
	Nonoperating/Storage temperature	-40°F to 158°F (-40°C to 70°C)
	Nonoperating/Storage relative humidity	10% to 95%, noncondensing
	Altitude	up to 16,404 ft (5 km)
	Acoustic	Low-speed fan: 47 dB, High-speed fan: 49.3 dB; ISO 7779
Electrical characteristics	Frequency	50/60 Hz
	AC voltage	100 - 240 VAC
	Maximum power rating	492 W
	PoE power	370 W PoE+
	Notes	Maximum power rating and maximum heat dissipation are the worst-case theoretical maximum numbers provided for planning the infrastructure with fully loaded PoE (if equipped), 100% traffic, all ports plugged in, and all modules populated.



Technical Specifications

PoE power is the power supplied by the internal power supply. It is dependent on the type and quantity of power supplies and may be supplemented with the use of an external power supply (EPS). When supplemented with the use of an HP RPS1600 Redundant Power System, up to 795 W of PoE+ can be supplied. Unit max. power consumption with RPS is 876W.

Safety	UL 60950; IEC 60950-1; EN 60950-1; CAN/CSA-C22.2 No. 60950-1-03
Emissions	FCC part 15 Class A; VCCI Class A; EN 55022 Class A; CISPR 22 Class A; EN 55024; EN 61000-3-2 2000, 61000-3-3; ICES-003 Class A
Management	IMC - Intelligent Management Center; limited command-line interface; Web browser; SNMP Manager; IEEE 802.3 Ethernet MIB
Notes	SFP ports and copper ports can work simultaneously, independent of each other, to provide a total of 52 Gigabit switching ports.
Services	Refer to the Hewlett Packard Enterprise website at http://www.hpe.com/networking/services for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local Hewlett Packard Enterprise sales office.

Standards and protocols Device management

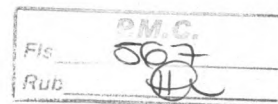
(applies to all products in series)
RFC 2819 RMON
Web UI

General protocols

IEEE 802.1D MAC Bridges
IEEE 802.1p Priority
IEEE 802.1Q VLANs
IEEE 802.1s (MSTP)
IEEE 802.1w Rapid Reconfiguration of Spanning Tree
IEEE 802.3 Type 10BASE-T
IEEE 802.3ab 1000BASE-T
IEEE 802.3ad Link Aggregation Control Protocol (LACP)
IEEE 802.3i 10BASE-T
IEEE 802.3x Flow Control
IEEE 802.3z 1000BASE-X

MIBs

RFC 1213 MIB II
RFC 1493 Bridge MIB
RFC 2021 RMONv2 MIB
RFC 2233 Interface MIB
RFC 2233 Interfaces MIB
RFC 2571 SNMP Framework MIB
RFC 2572 SNMP-MPD MIB
RFC 2573 SNMP-Notification MIB
RFC 2573 SNMP-Target MIB
RFC 2613 SMON MIB
RFC 2618 RADIUS Client MIB
RFC 2620 RADIUS Accounting MIB
RFC 2665 Ethernet-Like-MIB
RFC 2667 IP Tunnel MIB
RFC 2668 802.3 MAU MIB
RFC 2674 802.1p and IEEE 802.1Q Bridge MIB
RFC 2737 Entity MIB (Version 2)
RFC 3414 SNMP-User-based-SM MIB
RFC 3415 SNMP-View based-ACM MIB
RFC 3418 MIB for SNMPv3



Technical Specifications

Network management

IEEE 802.1AB Link Layer Discovery Protocol (LLDP)
IEEE 802.1D (STP)
RFC 1215 SNMP Generic traps

QoS/Cos

IEEE 802.1p (CoS)
RFC 2474 DiffServ Precedence, including 8 queues/port

Security

IEEE 802.1X Port Based Network Access Control

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Accessories

HPE OfficeConnect 1920 Transceivers

Switch Series accessories

HPE X121 1G SFP LC SX Transceiver	J4858C
HPE X121 1G SFP LC LX Transceiver	J4859C
HPE X121 1G SFP RJ45 T Transceiver	J8177C
HPE X120 1G SFP LC SX Transceiver	JD118B
HPE X120 1G SFP LC LX Transceiver	JD119B
HPE X120 1G SFP RJ45 T Transceiver	JD089B

Cables

HPE LC to LC Multi-mode OM3 2-Fiber 0.5m 1-Pack Fiber Optic Cable	AJ833A
HPE LC to LC Multi-mode OM3 2-Fiber 1.0m 1-Pack Fiber Optic Cable	AJ834A
HPE LC to LC Multi-mode OM3 2-Fiber 2.0m 1-Pack Fiber Optic Cable	AJ835A
HPE LC to LC Multi-mode OM3 2-Fiber 5.0m 1-Pack Fiber Optic Cable	AJ836A
HPE LC to LC Multi-mode OM3 2-Fiber 15.0m 1-Pack Fiber Optic Cable	AJ837A
HPE LC to LC Multi-mode OM3 2-Fiber 30.0m 1-Pack Fiber Optic Cable	AJ838A
HPE LC to LC Multi-mode OM3 2-Fiber 50.0m 1-Pack Fiber Optic Cable	AJ839A
HPE Premier Flex LC/LC Multi-mode OM4 2 fiber 1m Cable	QK732A
HPE Premier Flex LC/LC Multi-mode OM4 2 fiber 2m Cable	QK733A
HPE Premier Flex LC/LC Multi-mode OM4 2 fiber 5m Cable	QK734A
HPE Premier Flex LC/LC Multi-mode OM4 2 fiber 15m Cable	QK735A
HPE Premier Flex LC/LC Multi-mode OM4 2 fiber 30m Cable	QK736A
HPE Premier Flex LC/LC Multi-mode OM4 2 fiber 50m Cable	QK737A

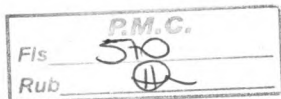
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Accessory Product Details

NOTE: Details are not available for all accessories. The following specifications were available at the time of publication.

<p>HPE X121 1G SFP LC SX Transceiver (J4858C)</p> <p>A small form-factor pluggable (SFP) Gigabit SX transceiver that provides a full-duplex Gigabit solution up to 550 m on multimode fiber.</p>	<p>Ports 1 LC 1000BASE-SX port; Duplex: full only</p> <p>Physical characteristics Dimensions: 2.24(d) x 0.54(w) x 0.48(h) in. (5.69 x 1.37 x 1.22 cm) Weight: 0.04 lb. (0.02 kg) Transceiver form factor: SFP</p> <p>Environment Operating temperature: 32°F to 158°F (0°C to 70°C) Operating relative humidity: 5% to 85%, noncondensing Nonoperating/Storage temperature: -40°F to 203°F (-40°C to 85°C) Altitude: up to 10,000 ft. (3 km)</p> <p>Electrical characteristics Power consumption typical: 0.4 W Power consumption maximum: 0.7 W</p> <p>Cabling Type:</p> <ul style="list-style-type: none"> • 62.5/125 μm or 50/125 μm (core/cladding) diameter, graded-index, low metal content, multimode fiber optic, complying with ITU-T G.651 and ISO/IEC 793-2 Type A1b or A1a, respectively; <p>Maximum distance:</p> <ul style="list-style-type: none"> • 2-220 m (62.5 μm core diameter, 160 MHz*km bandwidth) • 2-275 m (62.5 μm core diameter, 200 MHz*km bandwidth) • 2-500 m (50 μm core diameter, 400 MHz*km bandwidth) • 2-550 m (50 μm core diameter, 500 MHz*km bandwidth) <p>Cable length: 2-550m Fiber type: Multi Mode</p> <p>Services Refer to the Hewlett Packard Enterprise website at http://www.hpe.com/networking/services for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local Hewlett Packard Enterprise sales office.</p>
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<p>HPE X121 1G SFP LC LX Transceiver (J4859C)</p> <p>HPE X121.1G SFP LC LX Transceiver: An SFP format gigabit transceiver with LC connectors using LX technology.</p>	<p>Ports 1 LC 1000BASE-LX port (IEEE 802.3z Type 1000BASE-LX); Duplex: full only</p> <p>Physical characteristics Dimensions: 2.24(d) x 0.54(w) x 0.486(h) in. (5.69 x 1.37 x 1.23 cm) Weight: 0.04 lb. (0.02 kg)</p> <p>Environment Operating temperature: 32°F to 158°F (0°C to 70°C) Operating relative humidity: 0% to 85%, noncondensing Nonoperating/Storage temperature: -40°F to 212°F (-40°C to 100°C) Altitude: up to 10,000 ft. (3 km)</p> <p>Cabling Type:</p> <ul style="list-style-type: none"> • Either single mode or multimode; 62.5/125 μm or 50/125 μm (core/cladding) diameter, graded-index, low metal content, multimode fiber optic, complying with ITU-T G.651 and ISO/IEC 793-2 Type A1b or A1a, respectively; Low metal content, single-mode fiber-optic, complying with ITU-T G.652 and ISO/IEC 793-2
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Notes

A mode conditioning patch cord may be needed in some multimode fiber installations.

Wavelength: 1310nm

Power Consumption: < 500mW Typical

Services

Refer to the Hewlett Packard Enterprise website at

<http://www.hpe.com/networking/services> for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local Hewlett Packard Enterprise sales office.

HPE X121 1G SFP RJ45 T Transceiver (J8177C) Ports

1 RJ-45 1000BASE-T port (IEEE 802.3ab Type 1000BASE-T); Duplex: full only

Physical characteristics

Dimensions: 2.71(d) x 0.54(w) x 0.55(h) in. (6.88 x 1.37 x 1.4 cm)

Weight: 0.06 lb. (0.03 kg)

HPE X121 1G SFP RJ45 T Transceiver: An SFP format gigabit transceiver with RJ45 connectors using 1000BaseT technology.

Environment

Operating temperature: 32°F to 158°F (0°C to 70°C); with 100 LFM airflow over the SFP module

Operating relative humidity: 0% to 95% @ 75°F (25°C), noncondensing

Nonoperating/Storage temperature: -40°F to 185°F (-40°C to 85°C)

Nonoperating/Storage relative humidity: 0% to 95% @ 77°F (25°C), noncondensing

Altitude: up to 10,000 ft. (3000 km)

Cabling

Cable type:

1000BASE-T: Category 5 (5E or better recommended), 100 Ω differential 4-pair unshielded twisted pair (UTP) or shielded twisted pair (STP) balanced, complying with IEEE 802.3ab 1000BASE-T;

Maximum distance:

- 100 m

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Notes

Power consumption is nominally 1 watt.

For supported platforms and minimum software requirements to support this product, see the document titled "Support for the J8177C 1000Base T Mini-GBIC" on the "HP Mini-GBICs and SFPs" Manuals Web page.

The J8177C Gigabit copper mini-GBIC is not supported on dual-personality ports.

The J8177C is capable of 100 Mb operation. This is supported on only the HP E8200zl, E5400zl, and HP E6200-24G-mGBIC y1 Switches using

Accessory Product Details

NOTE: Details are not available for all accessories. The following specifications were available at the time of publication.

<p>HPE X121 1G SFP LC SX Transceiver (J4858C)</p> <p>A small form-factor pluggable (SFP) Gigabit SX transceiver that provides a full-duplex Gigabit solution up to 550 m on multimode fiber.</p>	<p>Ports</p> <p>Physical characteristics</p> <p>Environment</p> <p>Electrical characteristics</p> <p>Cabling</p>	<p>1 LC 1000BASE-SX port; Duplex: full only</p> <p>Dimensions: 2.24(d) x 0.54(w) x 0.48(h) in. (5.69 x 1.37 x 1.22 cm) Weight: 0.04 lb. (0.02 kg) Transceiver form factor: SFP</p> <p>Operating temperature: 32°F to 158°F (0°C to 70°C) Operating relative humidity: 5% to 85%, noncondensing Nonoperating/Storage temperature: -40°F to 203°F (-40°C to 85°C) Altitude: up to 10,000 ft. (3 km)</p> <p>Power consumption typical: 0.4 W Power consumption maximum: 0.7 W</p> <p>Type:</p> <ul style="list-style-type: none"> • 62.5/125 μm or 50/125 μm (core/cladding) diameter, graded-index, low metal content, multimode fiber optic, complying with ITU-T G.651 and ISO/IEC 793-2 Type A1b or A1a, respectively; <p>Maximum distance:</p> <ul style="list-style-type: none"> • 2-220 m (62.5 μm core diameter, 160 MHz*km bandwidth) • 2-275 m (62.5 μm core diameter, 200 MHz*km bandwidth) • 2-500 m (50 μm core diameter, 400 MHz*km bandwidth) • 2-550 m (50 μm core diameter, 500 MHz*km bandwidth) <p>Cable length: 2-550m Fiber type: Multi Mode</p>
<p>Services</p>	<p>Refer to the Hewlett Packard Enterprise website at http://www.hpe.com/networking/services for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local Hewlett Packard Enterprise sales office.</p>	

<p>HPE X121 1G SFP LC LX Transceiver (J4859C)</p> <p>HPE X121 1G SFP LC LX Transceiver: An SFP format gigabit transceiver with LC connectors using LX technology.</p>	<p>Ports</p> <p>Physical characteristics</p> <p>Environment</p> <p>Cabling</p>	<p>1 LC 1000BASE-LX port (IEEE 802.3z Type 1000BASE-LX); Duplex: full only</p> <p>Dimensions: 2.24(d) x 0.54(w) x 0.486(h) in. (5.69 x 1.37 x 1.23 cm) Weight: 0.04 lb. (0.02 kg)</p> <p>Operating temperature: 32°F to 158°F (0°C to 70°C) Operating relative humidity: 0% to 85%, noncondensing Nonoperating/Storage temperature: -40°F to 212°F (-40°C to 100°C) Altitude: up to 10,000 ft. (3 km)</p> <p>Type:</p> <div style="border: 1px solid black; padding: 2px; display: inline-block; margin: 5px 0;"> <p>Fls 572</p> <p>Rub 4</p> </div> <ul style="list-style-type: none"> • Either single mode or multimode; 62.5/125 μm or 50/125 μm (core/cladding) diameter, graded-index, low metal content, multimode fiber optic, complying with ITU-T G.651 and ISO/IEC 793-2 Type A1b or A1a, respectively; Low metal content, single-mode fiber-optic, complying with ITU-T G.652 and ISO/IEC 793-2
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Accessory Product Details

Type B1;

Maximum distance:

- 2-550 m (multimode 62.5 μm core diameter, 500 MHz*km bandwidth)
- 2-550 m (multimode 50 μm core diameter, 400 MHz*km bandwidth)
- 2-550 m (multimode 50 μm core diameter, 500 MHz*km bandwidth)
- 2-10,000 m (single-mode fiber)

Notes A mode conditioning patch cord may be needed in some multimode fiber installations.

Wavelength: 1310nm

Power Consumption: < 500mW Typical

Services Refer to the Hewlett Packard Enterprise website at <http://www.hpe.com/networking/services> for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local Hewlett Packard Enterprise sales office.

HPE X121 1G SFP RJ45 T Transceiver (J8177C)

HPE X121 1G SFP RJ45 T Transceiver: An SFP format gigabit transceiver with RJ45 connectors using 1000BaseT technology.

Ports 1 RJ-45 1000BASE-T port (IEEE 802.3ab Type 1000BASE-T); Duplex: full only

Physical characteristics Dimensions: 2.71(d) x 0.54(w) x 0.55(h) in. (6.88 x 1.37 x 1.4 cm)
Weight: 0.06 lb. (0.03 kg)

Environment Operating temperature: 32°F to 158°F (0°C to 70°C); with 100 LFM airflow over the SFP module

Operating relative humidity: 0% to 95% @ 75°F (25°C), noncondensing

Nonoperating/Storage temperature: -40°F to 185°F (-40°C to 85°C)

Nonoperating/Storage relative humidity: 0% to 95% @ 77°F (25°C), noncondensing

Altitude: up to 10,000 ft. (3000 km)

Cabling Cable type: 1000BASE-T: Category 5 (5E or better recommended), 100 Ω differential 4-pair unshielded twisted pair (UTP) or shielded twisted pair (STP) balanced, complying with IEEE 802.3ab 1000BASE-T;

Maximum distance:

- 100 m

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Notes Power consumption is nominally 1 watt. For supported platforms and minimum software requirements to support this product, see the document titled "Support for the J8177C 1000Base-T Mini-GBIC" on the "HP Mini-GBICs and SFPs" Manuals Web page. The J8177C Gigabit copper mini-GBIC is not supported on dual-personality ports. The J8177C is capable of 100 Mb operation. This is supported on only the HP E8200zl, E5400zl, and HP E6200-24G-mGBIC y1 Switches using

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Accessory Product Details

software version K.12.21 or later. Use the "auto-100" port setting to enable 100 Mb operation.

Important: The earlier J8177B does not support 100 Mb operation. When used in the Switch gl 20-Port 10/100/1000 Module (J4908A), the J8177C mini-GBIC can be installed in either the upper or lower mini-GBIC port, but will block access to the other port.

Services

Refer to the Hewlett Packard Enterprise website at <http://www.hpe.com/networking/services> for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local Hewlett Packard Enterprise sales office.

HPE X120 1G SFP LC SX Transceiver (JD118B)

A small form-factor pluggable (SFP) Gigabit SX transceiver that provides a full-duplex Gigabit solution up to 550m on a Multimode fiber.

Ports	1 LC 1000BASE-SX port
Connectivity	Connector type LC
Physical characteristics	Wavelength 850 nm Dimensions 2.17(d) x 0.6(w) x 0.46(h) in. (5.51 x 1.52 x 1.17 cm) Full configuration weight 0.04 lb. (0.02 kg)
Electrical characteristics	Power consumption typical 0.8 W Power consumption maximum 1.0 W
Cabling	Maximum distance: • FDDI Grade distance = 220m • OM1 = 275m • OM2 = 500m • OM3 = Not Specified by standard Cable length up to 550m Fiber type Multi Mode
Services	Refer to the Hewlett Packard Enterprise website at http://www.hpe.com/networking/services for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local Hewlett Packard Enterprise sales office.

HPE X120 1G SFP LC LX Transceiver (JD119B)

A small form-factor pluggable (SFP) Gigabit LX transceiver that provides a full duplex Gigabit solution up to 550m on MMF or 10Km on SMF

Ports	1 SFP 1000BASE-LX port (IEEE 802.3z Type 1000BASE-LX)
Connectivity	Connector type LC
Physical characteristics	Wavelength 1300 nm Dimensions 2.17(d) x 0.6(w) x 0.46(h) in. (5.51 x 1.52 x 1.17 cm) Full configuration weight 0.04 lb. (0.02 kg)
Electrical characteristics	Power consumption typical 0.8 W Power consumption maximum 1.0 W
Cabling	Cable type: Either single mode or multimode; Maximum distance: • 550m for Multimode

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Accessory Product Details

Services

- 10km for Singlemode

Fiber type Both

Refer to the Hewlett Packard Enterprise website at <http://www.hpe.com/networking/services> for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local Hewlett Packard Enterprise sales office.

HPE X120 1G SFP RJ45 T Transceiver (JD089B)

Ports 1 RJ-45 1000BASE-T port (IEEE 802.3ab Type 1000BASE-T)

Connectivity **Connector type** RJ-45

Physical characteristics **Dimensions** 2.71(d) x 0.54(w) x 0.55(h) in. (6.88 x 1.37 x 1.4 cm)

Electrical characteristics **Full configuration weight** 0.07 lb. (0.03 kg)

Power consumption typical 0.8 W

Power consumption maximum 1.0 W

Cabling Cable type: 1000BASE-T: Category 5 (5E or better recommended), 100 Ω differential 4-pair unshielded twisted pair (UTP) or shielded twisted pair (STP) balanced, complying with IEEE 802.3ab 1000BASE-T

Maximum distance:
• 100m

Services Refer to the Hewlett Packard Enterprise website at <http://www.hpe.com/networking/services> for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local Hewlett Packard Enterprise sales office.

HPE LC to LC Multi-mode OM3 2-Fiber 0.5m 1-Pack Fiber Optic Cable (AJ833A)

Cabling

Cable type: 50/125 μm (core/cladding) diameter, multimode fiber optic, with effective modal bandwidth of 2000 MHz/km as detailed in TIA-492AAAC for distances of up to 300 m

Maximum distance: 10Gbps Transfer Rate (Ethernet): 300m

Notes Cable Specs: Tight buffered duplex fiber optic multimode OM3 50/125 μm fiber optic cable and Ethernet assembly with LC duplex connectors on one end and LC duplex connectors on other end.

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- Dimensions: Core diameter: 50 ± 3.0um Cladding diameter: 125 ± 2.0um Coating diameter: 245 ± 10um
- Optical glass: Bandwidth: For LED sources: 1500/500 MHz-km @850/1300nm.
- Optical glass: Bandwidth: For Laser sources: 2000/500 MHz-km @850/1300nm. VCSEL Laser sources: 600 / 600 meters @850/1300nm for Gigabit Ethernet compliant links.
- CABLE: The cable is duplex zipcord graded index 50/125um multimode optical fiber and designed to work in both the 850 and 1300 nm wavelength windows.
- BULK CABLE & CABLE ASSEMBLY CONFIGURATION:
- Jacket Material: Riser Grade - Low Smoke Zero Halogen thermoplastic.
- Jacket Color: Aqua for OM3 multimode per TIA 598
- Boot Color: White

Accessory Product Details

- Insertion Loss: less than 0.5 dB @ 850 with LED source, 0.003 dB/M added for lengths > 30 meters.
- Maximum Cable attenuation: 3.0 dB/km @ 850 nm, 1.0 dB/Km @ 1310 nm @ 23°C as tested in accordance with EIA 455-46.
- Weight: Air Packed Weight: 1 LB Net Weight: 0.454Kg

Services

Refer to the Hewlett Packard Enterprise website at <http://www.hpe.com/networking/services> for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local Hewlett Packard Enterprise sales office.

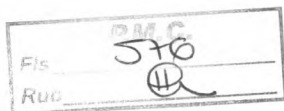
HPE LC to LC Multi-mode OM3 2-Fiber 1.0m 1-Pack Fiber Optic Cable (AJ834A) **Cabling**

Cable type:
50/125 μm (core/cladding) diameter, multimode fiber optic, with effective modal bandwidth of 2000 MHz/km as detailed in TIA-492AAAC for distances of up to 300 m

Notes

Maximum distance:
10Gbps Transfer Rate (Ethernet): 300m
Cable Specs: Tight buffered duplex fiber optic multimode OM3 50/125 um fiber optic cable and Ethernet assembly with LC duplex connectors on one end and LC duplex connectors on other end.

- Dimensions: Core diameter: 50 ± 3.0um Cladding diameter: 125 ± 2.0um Coating diameter: 245 ± 10um
- Optical Glass Bandwidth: For LED sources: 1500/500 MHz-km @850/1300nm.
- Optical Glass: For Laser sources: 2000/500 MHz-km @850/1300nm. VCSEL Laser sources: Shall achieve 600 / 600 meters @850/1300nm for Gigabit Ethernet compliant links.
- CABLE: The cable is duplex zipcord graded index 50/125um multimode optical fiber. The cable is designed to work in both the 850 and 1300 nm wavelength windows.
- BULK CABLE & CABLE ASSEMBLY CONFIGURATION:
- Jacket Material: Riser Grade - Low Smoke Zero Halogen thermoplastic.
- Jacket Color: Aqua for OM3 multimode per TIA 598
- Boot Color: White
- Insertion Loss: less than 0.5 dB @ 850 with LED source, 0.003 dB/M added for lengths > 30 meters.
- Maximum Cable attenuation: 3.0 dB/km @ 850 nm, 1.0 dB/Km @ 1310 nm @ 23°C as tested in accordance with EIA 455-46.
- Weight: Air Packed Weight: 1 LB Net Weight: 0.454Kg



Services

Refer to the Hewlett Packard Enterprise website at <http://www.hpe.com/networking/services> for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local Hewlett Packard Enterprise sales office.

HPE LC to LC Multi-mode OM3 2-Fiber 2.0m 1-Pack Fiber Optic Cable **Cabling**

Cable type:
50/125 μm (core/cladding) diameter, multimode fiber optic, with effective modal bandwidth of 2000 MHz/km as detailed in TIA-492AAAC for

Accessory Product Details

(AJ835A)

distances of up to 300 m;

Notes

Maximum distance:

10Gbps Transfer Rate (Ethernet): 300m

Cable Specs: Tight buffered duplex fiber optic multimode OM3 50/125 um fiber optic cable and Ethernet assembly with LC duplex connectors on one end and LC duplex connectors on other end.

- Dimensions: Core diameter: 50 ± 3.0um Cladding diameter: 125 ± 2.0um Coating diameter: 245 ± 10um
- Optical Glass Bandwidth: For LED sources: 1500/500 MHz-km @850/1300nm.
- Optical Glass: For Laser sources: 2000/500 MHz-km @850/1300nm. VCSEL Laser sources: Shall achieve 600 / 600 meters @850/1300nm for Gigabit Ethernet compliant links.
- CABLE: The cable is duplex zipcord graded index 50/125um multimode optical fiber. The cable is designed to work in both the 850 and 1300 nm wavelength windows.
- BULK CABLE & CABLE ASSEMBLY CONFIGURATION:
- Jacket Material: Riser Grade - Low Smoke Zero Halogen thermoplastic.
- Jacket Color: Aqua for OM3 multimode per TIA 598
- Boot Color: White
- Insertion Loss: less than 0.5 dB @ 850 with LED source, 0.003 dB/M added for lengths > 30 meters.
- Maximum Cable attenuation: 3.0 dB/km @ 850 nm, 1.0 dB/Km @ 1310 nm @ 23°C as tested in accordance with EIA 455-46.
- Weight: Air Packed Weight: 1 LB Net Weight: 0.454Kg

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Refer to the Hewlett Packard Enterprise website at

<http://www.hpe.com/networking/services> for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local Hewlett Packard Enterprise sales office.

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Rub	

HPE LC to LC Multi-mode OM3 2-Fiber 5.0m 1-Pack Fiber Optic Cable
(AJ836A)

Cabling

Cable type:

50/125 μm core/cladding) diameter, multimode fiber optic, with effective modal bandwidth of 2000 MHz/km as detailed in TIA-492AAAC for distances of up to 300 m;

Maximum distance:

10Gbps Transfer Rate (Ethernet): 300m

Notes

Cable Specs: This specification defines the detail requirements for a tight buffered duplex fiber optic multimode OM3 50/125 um fiber optic cable and Ethernet assembly with LC duplex connectors on one end and LC duplex connectors on other end.

- Dimensions: Core diameter: 50 ± 3.0um Cladding diameter: 125 ± 2.0um Coating diameter: 245 ± 10um
- Optical Glass Bandwidth: For LED sources: 1500/500 MHz-km @850/1300nm.
- Optical Glass: For Laser sources: 2000/500 MHz-km @850/1300nm. VCSEL Laser sources: Shall achieve 600 / 600 meters @850/1300nm for Gigabit Ethernet compliant links.

Accessory Product Details

- CABLE: The cable is duplex zipcord graded index 50/125um multimode optical fiber. The cable is designed to work in both the 850 and 1300 nm wavelength windows.
- BULK CABLE & CABLE ASSEMBLY CONFIGURATION:
- Jacket Material: Riser Grade - Low Smoke Zero Halogen thermoplastic.
- Jacket Color: Aqua for OM3 multimode per TIA 598
- Boot Color: White
- Insertion Loss: less than 0.5 dB @ 850 with LED source, 0.003 dB/M added for lengths > 30 meters.
- Maximum Cable attenuation: 3.0 dB/km @ 850 nm, 1.0 dB/Km @ 1310 nm @ 23°C as tested in accordance with EIA 455-46.
- Weight: Air Packed Weight: 1 LB Net Weight: 0.454Kg

Services

Refer to the Hewlett Packard Enterprise website at <http://www.hpe.com/networking/services> for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local Hewlett Packard Enterprise sales office.

HPE LC to LC Multi-mode OM3 2-Fiber 15.0m 1-Pack Fiber Optic Cable (AJ837A)

Cabling

Cable type:

50/125 μm (core/cladding) diameter, multimode fiber optic, with effective modal bandwidth of 2000 MHz/km as detailed in TIA-492AAAC for distances of up to 300 m;

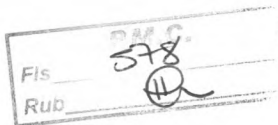
Maximum distance:

10Gbps Transfer Rate (Ethernet): 300m

Notes

Cable Specs: Tight buffered duplex fiber optic multimode OM3 50/125 um fiber optic cable and Ethernet assembly with LC duplex connectors on one end and LC duplex connectors on other end.

- Dimensions: Core diameter: 50 ± 3.0um Cladding diameter: 125 ± 2.0um Coating diameter: 245 ± 10um
- Optical Glass Bandwidth: For LED sources: 1500/500 MHz-km @850/1300nm.
- Optical Glass: For Laser sources: 2000/500 MHz-km @850/1300nm. VCSEL Laser sources: Shall achieve 600 / 600 meters @850/1300nm for Gigabit Ethernet compliant links.
- CABLE: The cable is duplex zipcord graded index 50/125um multimode optical fiber. The cable is designed to work in both the 850 and 1300 nm wavelength windows.
- BULK CABLE & CABLE ASSEMBLY CONFIGURATION:
- Jacket Material: Riser Grade - Low Smoke Zero Halogen thermoplastic.
- Jacket Color: Aqua for OM3 multimode per TIA 598
- Boot Color: White
- Insertion Loss: less than 0.5 dB @ 850 with LED source, 0.003 dB/M added for lengths > 30 meters.
- Maximum Cable attenuation: 3.0 dB/km @ 850 nm, 1.0 dB/Km @ 1310 nm @ 23°C as tested in accordance with EIA 455-46.
- Weight: Air Packed Weight: 1 LB Net Weight: 0.454Kg



Services

Refer to the Hewlett Packard Enterprise website at <http://www.hpe.com/networking/services> for details on the service-level

Accessory Product Details

descriptions and product numbers. For details about services and response times in your area, please contact your local Hewlett Packard Enterprise sales office.

HPE LC to LC Multi-mode OM3 2-Fiber 30.0m 1-Pack Fiber Optic Cable (AJ838A)

Cabling

Cable type:

50/125 μm (core/cladding) diameter, multimode fiber optic, with effective modal bandwidth of 2000 MHz/km as detailed in TIA-492AAAC for distances of up to 300 m;

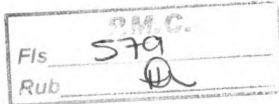
Notes

Maximum distance:

10Gbps Transfer Rate (Ethernet): 300m

Cable Specs: Tight buffered duplex fiber optic multimode OM3 50/125 μm fiber optic cable and Ethernet assembly with LC duplex connectors on one end and LC duplex connectors on other end.

- Dimensions: Core diameter: 50 ± 3.0μm Cladding diameter: 125 ± 2.0μm Coating diameter: 245 ± 10μm
- Optical Glass Bandwidth: For LED sources: 1500/500 MHz-km @850/1300nm.
- Optical Glass: For Laser sources: 2000/500 MHz-km @850/1300nm. VCSEL Laser sources: Shall achieve 600 / 600 meters @850/1300nm for Gigabit Ethernet compliant links.
- CABLE: The cable is duplex zipcord graded index 50/125μm multimode optical fiber. The cable is designed to work in both the 850 and 1300 nm wavelength windows.
- BULK CABLE & CABLE ASSEMBLY CONFIGURATION:
- Jacket Material: Riser Grade - Low Smoke Zero Halogen thermoplastic.
- Jacket Color: Aqua for OM3 multimode per TIA 598
- Boot Color: White
- Insertion Loss: less than 0.5 dB @ 850 with LED source, 0.003 dB/M added for lengths > 30 meters.
- Maximum Cable attenuation: 3.0 dB/km @ 850 nm, 1.0 dB/Km @ 1310 nm @ 23°C as tested in accordance with EIA 455-46.
- Weight: Air Packed Weight: 1 LB Net Weight: 0.454Kg



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HPE LC to LC Multi-mode OM3 2-Fiber 50.0m 1-Pack Fiber Optic Cable (AJ839A)

Cabling

Cable type:

50/125 μm (core/cladding) diameter, multimode fiber optic, with effective modal bandwidth of 2000 MHz/km as detailed in TIA-492AAAC for distances of up to 300 m;

Notes

Maximum distance:

10Gbps Transfer Rate (Ethernet): 300m

Cable Specs: Tight buffered duplex fiber optic multimode OM3 50/125 μm fiber optic cable and Ethernet assembly with LC duplex connectors on one end and LC duplex connectors on other end.

- Dimensions: Core diameter: 50 ± 3.0μm Cladding diameter: 125 ± 2.0μm Coating diameter: 245 ± 10μm

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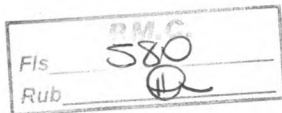
Accessory Product Details

- 2.0um Coating diameter: 245 ± 10um
- Optical Glass Bandwidth: For LED sources: 1500/500 MHz-km @850/1300nm.
- Optical Glass: For Laser sources: 2000/500 MHz-km @850/1300nm. VCSEL Laser sources: Shall achieve 600 / 600 meters @850/1300nm for Gigabit Ethernet compliant links.
- CABLE: The cable is duplex zipcord graded index 50/125um multimode optical fiber. The cable is designed to work in both the 850 and 1300 nm wavelength windows.
- BULK CABLE & CABLE ASSEMBLY CONFIGURATION:
- Jacket Material: Riser Grade - Low Smoke Zero Halogen thermoplastic.
- Jacket Color: Aqua for OM3 multimode per TIA 598
- Boot Color: White
- Insertion Loss: less than 0.5 dB @ 850 with LED source, 0.003 dB/M added for lengths > 30 meters.
- Maximum Cable attenuation: 3.0 dB/km @ 850 nm, 1.0 dB/Km @ 1310 nm @ 23°C as tested in accordance with EIA 455-46.
- Weight: Air Packed Weight: 1 LB Net Weight: 0.454Kg

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HPE Premier Flex LC/LC Notes
Multi-mode OM4 2 fiber
1m Cable (QK732A)



Cable Specs: Graded-index, "bendable" fiber optic multimode OM3+ 50/125um duplex cable and Ethernet assembly with LC duplex connectors on each end.

- Core Diameter: 50um ±3um, Cladding diameter: 125um ±2um; Coating diameter: 245 ± 10um
- Bandwidth: 3000 MHz-km @ 850nm (Laser)
- Jacket Color: Blue
- Jacket Material: Riser Grade – Low Smoke Zero Halogen (LSZH) thermoplastic
- Boot Color: White
- Outer Jacket Print: HPE PremierFlex OM3+ Fiber Optic Cable, 50/125um, Type OFNR (UL), LSZH, cUL, OFN FT4, ROHS. Cable also has a longitudinal white stripe that runs the entire length of the cable.
- Insertion Loss: Less than 0.5dB @ 850nm with LED source, 0.003dB/m added for lengths >30m
- Maximum Cable Attenuation: 3.0 dB/km @ 850nm, 1.0 dB/km @ 1310nm @ 23°C as tested in accordance with EIA 455-45

Services

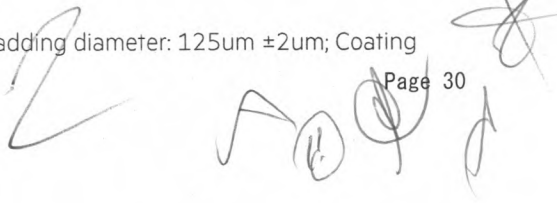
Refer to the Hewlett Packard Enterprise website at <http://www.hpe.com/networking/services> for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local Hewlett Packard Enterprise sales office.

HPE Premier Flex LC/LC Notes
Multi-mode OM4 2 fiber
2m Cable (QK733A)



Cable Specs: Graded-index, "bendable" fiber optic multimode OM3+ 50/125um duplex cable and Ethernet assembly with LC duplex connectors on each end.

- Core diameter: 50um ±3um, Cladding diameter: 125um ±2um; Coating



Accessory Product Details

- diameter: 245 ± 10um
- Bandwidth: 3000 MHz-km @ 850nm (Laser)
- Jacket Color: Blue
- Jacket Material: Riser Grade – Low Smoke Zero Halogen (LSZH) thermoplastic
- Boot Color: White
- Outer Jacket Print: HPE PremierFlex OM3+ Fiber Optic Cable, 50/125um, Type OFNR (UL), LSZH, cUL, OFN FT4, ROHS. Cable also has a longitudinal white stripe that runs the entire length of the cable.
- Insertion Loss: Less than 0.5dB @ 850nm with LED source, 0.003dB/m added for lengths >30m
- Maximum Cable Attenuation: 3.0 dB/km @ 850nm, 1.0 dB/km @ 1310nm @ 23°C as tested in accordance with EIA 455-45

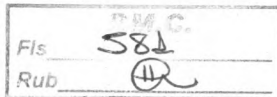
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HPE Premier Flex LC/LC Notes
Multi-mode OM4 2 fiber
5m Cable (QK734A)

Cable Specs: Graded-index, "bendable" fiber optic multimode OM3+ 50/125um duplex cable and Ethernet assembly with LC duplex connectors on each end.

- Core diameter: 50um ±3um, Cladding diameter: 125um ±2um; Coating diameter: 245 ± 10um
- Bandwidth: 3000 MHz-km @ 850nm (Laser)
- Jacket Color: Blue
- Jacket Material: Riser Grade – Low Smoke Zero Halogen (LSZH) thermoplastic
- Boot Color: White
- Outer Jacket Print: HPE PremierFlex OM3+ Fiber Optic Cable, 50/125um, Type OFNR (UL), LSZH, cUL, OFN FT4, ROHS. Cable also has a longitudinal white stripe that runs the entire length of the cable.
- Insertion Loss: Less than 0.5dB @ 850nm with LED source, 0.003dB/m added for lengths >30m
- Maximum Cable Attenuation: 3.0 dB/km @ 850nm, 1.0 dB/km @ 1310nm @ 23°C as tested in accordance with EIA 455-45



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HPE Premier Flex LC/LC Notes
Multi-mode OM4 2 fiber
15m Cable (QK735A)

Cable Specs: Graded-index, "bendable" fiber optic multimode OM3+ 50/125um duplex cable and Ethernet assembly with LC duplex connectors on each end.

- Core diameter: 50um ±3um, Cladding diameter: 125um ±2um; Coating diameter: 245 ± 10um
- Bandwidth: 3000 MHz-km @ 850nm (Laser)
- Jacket Color: Blue
- Jacket Material: Riser Grade – Low Smoke Zero Halogen (LSZH) thermoplastic
- Boot Color: White
- Outer Jacket Print: HPE PremierFlex OM3+ Fiber Optic Cable, 50/125um,

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Accessory Product Details

Services

Type OFNR (UL), LSZH, cUL, OFN FT4, ROHS. Cable also has a longitudinal white stripe that runs the entire length of the cable.

- Insertion Loss: Less than 0.5dB @ 850nm with LED source, 0.003dB/m added for lengths >30m
- Maximum Cable Attenuation: 3.0 dB/km @ 850nm, 1.0 dB/km @ 1310nm @ 23°C as tested in accordance with EIA 455-45

Refer to the Hewlett Packard Enterprise website at

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HPE Premier Flex LC/LC Notes
Multi-mode OM4 2 fiber
30m Cable (QK736A)

Cable Specs: Graded-index, "bendable" fiber optic multimode OM3+ 50/125um duplex cable and Ethernet assembly with LC duplex connectors on each end.

- Core diameter: 50um ±3um, Cladding diameter: 125um ±2um; Coating diameter: 245 ± 10um
- Bandwidth: 3000 MHz-km @ 850nm (Laser)
- Jacket Color: Blue
- Jacket Material: Riser Grade – Low Smoke Zero Halogen (LSZH) thermoplastic
- Boot Color: White
- Outer Jacket Print: HPE PremierFlex OM3+ Fiber Optic Cable, 50/125um, Type OFNR (UL), LSZH, cUL, OFN FT4, ROHS. Cable also has a longitudinal white stripe that runs the entire length of the cable.
- Insertion Loss: Less than 0.5dB @ 850nm with LED source, 0.003dB/m added for lengths >30m
- Maximum Cable Attenuation: 3.0 dB/km @ 850nm, 1.0 dB/km @ 1310nm @ 23°C as tested in accordance with EIA 455-45

Refer to the Hewlett Packard Enterprise website at

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HPE Premier Flex LC/LC Notes
Multi-mode OM4 2 fiber
50m Cable (QK737A)

Cable Specs: Graded-index, "bendable" fiber optic multimode OM3+ 50/125um duplex cable and Ethernet assembly with LC duplex connectors on each end.


- Core diameter: 50um ±3um, Cladding diameter: 125um ±2um; Coating diameter: 245 ± 10um
- Bandwidth: 3000 MHz-km @ 850nm (Laser)
- Jacket Color: Blue
- Jacket Material: Riser Grade – Low Smoke Zero Halogen (LSZH) thermoplastic
- Boot Color: White
- Outer Jacket Print: HPE PremierFlex OM3+ Fiber Optic Cable, 50/125um, Type OFNR (UL), LSZH, cUL, OFN FT4, ROHS. Cable also has a longitudinal white stripe that runs the entire length of the cable.
- Insertion Loss: Less than 0.5dB @ 850nm with LED source, 0.003dB/m added for lengths >30m
- Maximum Cable Attenuation: 3.0 dB/km @ 850nm, 1.0 dB/km @ 1310nm @ 23°C as tested in accordance with EIA 455-45

Refer to the Hewlett Packard Enterprise website at

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Accessory Product Details

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Summary of Changes

Date	Version History	Action	Description of Change:
07-Oct-2016	From Version 5 to 6	Changed	Minor edits on Technical Specifications
29-Apr-2016	From Version 4 to 5	Changed	Document name changed to HPE OfficeConnect 1920 Switch Series, SKU descriptions updated. Changes made on Features and Benefits and Technical Specifications.
01-Dec-2015	From Version 3 to 4	Changed	Overview and Technical Specifications updated
09-Feb-2015	From Version 2 to 3	Added	SKU JG928A added
01-Dec-2014	From Version 1 to 2	Changed	Updated Warranty and support



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- 16.0 megapixels
- Zoom ótico de 30x e Zoom Plus de 60x
- Estabilizador ótico de imagem inteligente
- Auto foco de alta velocidade
- Bateria de Lítio
- Tela LCD de 3.0"
- Vídeo HD 720p
- Lente grande angular de 24 mm
- Smart AUTO com 32 modos de cena
- Filtros criativos
- ISO 1600
- Cartão de memória de 8GB

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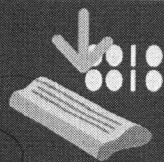
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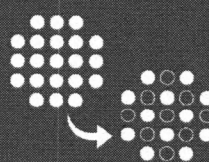


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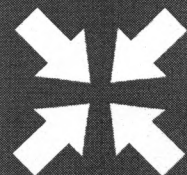
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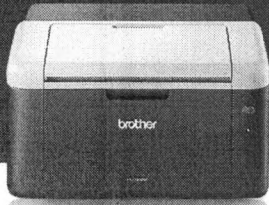
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Tecnologia	Laser Monocromático
Memória	32 MB
Processador	200 MHz
Interface	USB 2.0 de Alta Velocidade
Tempo de aquecimento	Menos de 18 segundos
Tempo de impressão 1ª pág.	Menos de 10 segundos
Conexão	Wireless

CONTROLES DE IMPRESSÃO

Windows	Windows®: Windows®8 / Windows®7 / Windows Vista® / XP / XP Professional x64
Macintosh	Mac: OS X 10.6.8, 10.7.x, 10.8.x

IMPRESSÃO

Velocidade de impressão	Até 20ppm
Resolução	Até 2400 x 600 dpi
Duplex (Impressão frente e verso)	Duplex Manual
Emulações	GDI

DIMENSÕES / PESO

Dimensões (W x D x H)	340 x 238 x 189 mm
Peso	5.2kg
Código de Barras	012502639824

MANUSEIO DE PAPEL

Capacidade de Entrada de Papel	Bandeja Padrão p/ 150 folhas
Capacidade de Saída de Papel	50 folhas (viradas para baixo)
Tipo de Papel	Papel normal, fino e reciclado
Peso de Papel	65 a 105 g/m²
Tamanho de Papel	A4, A5, Carta, Ofício

SISTEMAS OPERACIONAIS COMPATÍVEIS

Windows®	Windows® 7 (32 e 64 bit), Windows Vista® (32 e 64 bit), Windows® XP Home Edition, Windows® XP Professional (32 e 64 bit), Windows Server 2008R2, Windows Server 2008 (32 e 64 bits), Windows Server 2003 (32 e 64 bits). Note que Windows Server 2003 e 2008 são apenas para impressão.
Mac	Mac OS X 10.5.8, 10.6.x, 10.7.x ou maior

SUPRIMENTOS E ACESSÓRIOS

Toner Inicial	700 páginas*
Toner Standar TN-1060	1.000 páginas*
Cilindro DR-1060	10.000 páginas*

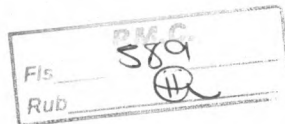
FUNÇÕES DE IMPRESSÃO

Modo Economia de Toner	Economize toner com a função Economia de Toner
Impressão N a 1	Economize papel reduzindo 2, 4, 9, 16 ou 25 páginas A4 em uma única folha
Impressão de Pôsteres	Amplia uma folha A4 até tamanho pôster em 4, 9, 16 ou 25 páginas A4
Cabeçalho e Rodapé de Página	Imprime hora, data e ID do usuário no documento
Impressão de Marca d'água	Imprime documentos com texto predefinido ou utilizados por pelo usuário com marca d'água
Impressão Duplex Manual	Imprime nos dois lados da folha manualmente
Impressão de Folhetos	Imprime 4 páginas em qualquer papel (2 páginas por lado) para dobrá-las ao meio

MEIO AMBIENTE

Consumo de energia	Modo Espera: 8.1W, Modo Repouso: 1.4W
Ruído	59dBA imprimindo, 54dB A em espera, 37dBA em repouso
Economia de energia	6.63BA imprimindo, 6.4B A em espera, 4.7BA em repouso
	Certificado Energy Star

Garantia	1 ano limitada
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*Rendimento do Toner de acordo com o ISO/IEC 19752



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at your side



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Monitor | V206HQL

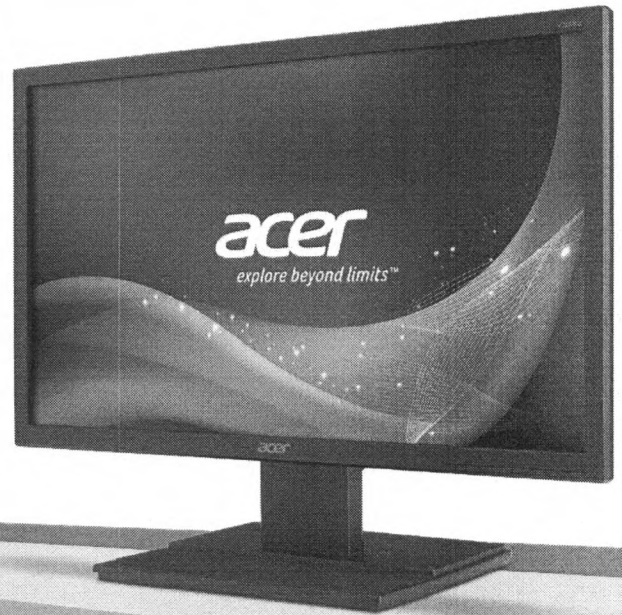
Bright colors, sustainable vision

- Earth-friendly: recycled plastic, LED backlight, Acer EcoDisplay
- 19.5" Acer ComfyView display with Acer eColor technology
- 100 million:1 contrast ratio (ACM)
- Extensive connectivity: VGA and DVI (with HDCP)

The Acer V206HQL display has a professional tilt design that guarantees the best viewing angle at daily operation. You can adjust it in the range of -5° to 25°.

This monitor has 19.5" non-glare screen with White LED Technology that ensures a better performance. The Acer V206HQL display delivers vibrant visuals and comfortable viewing ideal for business users.

Moreover as part of our commitment to sustainable operations and corporate social responsibility, Acer uses methods to carry out product design and material management distinctly meant to reduce environmental impact.



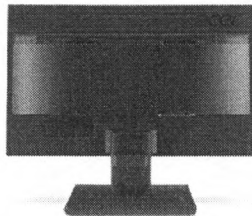
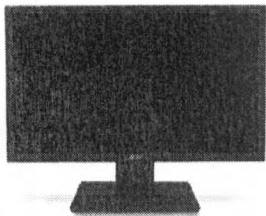
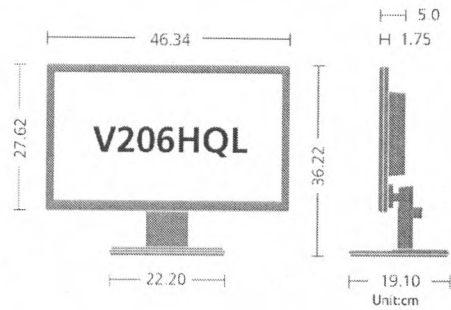
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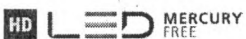
Specifications

Model number	V206HQL	V206HQL A
Display	19.5" (16:9)	19.5" (16:9)
Active display area	43.2 x 23.9 cm	43.2 x 23.9 cm
Panel type	TN	TN
Maximum resolution and refresh rate	1600 x 900 @ 60 Hz	1600 x 900 @ 60 Hz
Glare	No	No
Response time	5 ms (on/off)	5 ms (on/off)
Contrast ratio (ACM)	100 million:1 max	100 million:1 max
Brightness	250 cd/m ²	200 cd/m ²
Viewing angle (CR=10)	170° (H), 160° (V)	90° (H), 65° (V)
Colors	16.7 million	16.7 million
Bits	6-bit + Hi-FRC	6-bit + Hi-FRC
Input signal	1. VGA 2. VGA+DVI (DVI with HDCP)	1. VGA 2. VGA+DVI (DVI with HDCP)
VESA wall mount	100 x 100 mm	100 x 100 mm
Speaker	2 x 1 W (optional)	2 x 1 W (optional)
Certification	TCO6.0 ENERGY STAR® EPEAT Gold	MPR-II ENERGY STAR® EPEAT Gold
Power supply	Internal (100 V - 240 V)	Internal (100 V - 240 V)
Power consumption (ENERGY STAR®)	Off	0.35 W
	Sleep	0.45 W
	On	13.5 W



HD LED monitor

The 1600 x 900 resolution of this LED monitor delivers excellent detail, making it perfect for advanced HD productivity and multimedia applications. LED monitors also consume less power and last longer than those with CCFL lamps. Plus, this monitor is mercury free, making it safer for you and the environment.



Acer EcoDisplay

Acer monitors using white LED backlight technology minimize environmental impact while providing superior performance. White LED monitors do not contain mercury, making them safer for the environment. They also consume less power and are more durable than CCFL lamps, for good savings. Plus, as part of our commitment to sustainable operations and CSR, Acer uses methods to carry out product design and material management distinctly meant to reduce environmental impact.

ComfyView

Acer ComfyView monitors reflect less ambient light to deliver vivid colors, reduced glare and more comfortable viewing, even over prolonged periods.



ComfyView



Acer eColor Management

A single button — the Empowering Key — gives full access to the Acer eColor Management onscreen interface. Acer eColor Management provides a variety of advanced controls for achieving the best-possible image quality.

About Acer

Established in 1976, Acer is an information and communication technology company dedicated to the research, design, marketing, sale and support of innovative products that enhance people's lives. Acer's green supply chain delivers environmentally friendly PCs, displays, projectors, servers, tablets and smartphones — tools our customers need to explore beyond limits and experience more. Ranked No. 2 for notebooks globally (Gartner 2011), Acer employs 8,000 people, and 2011 revenues reached US\$15.7 billion. Please visit www.acer.com for more information.

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