

QuickSpecs

HP 5810-48G Switch

Overview

Models

HP 5810-48G Switch

JF242A

Key features

- High performance for core and distribution
- Powerful IPv4/IPv6 ACL/QoS/VoQ
- Powerful buffer capability—24M buffering
- Redundant, hot-swappable power supplies

Product overview

The HP 5810-48G Switch delivers unparalleled QoS across 48 10/100/1000Base-T Ethernet ports, two multiplex Gigabit Ethernet (GbE) combination SFP ports, and two 10-GbE SFP+ ports for the most demanding enterprise network environments.

Features and Benefits

Management

- **Remote configuration and management:** is available through a secure Web browser or a command-line interface (CLI)
- **IEEE 802.1ab LLDP discovery:** advertises and receives management information from adjacent devices on a network
- **USB support:**
 - File copy: allows users to copy switch files to and from a USB flash drive
- **DHCP options:** client allows automatic setting of IP address
- **SNMPv1, v2c, and v3:** facilitate centralized discovery, monitoring, and secure management of networking devices
- **NEW Network Time Protocol (NTP):** synchronizes timekeeping among distributed time servers and clients; keeps consistent timekeeping among all clock-dependent devices within the network so that the devices can provide diverse applications based on the consistent time

Connectivity

- **Auto-MDIX:** automatically adjusts for straight-through or crossover cables on all 10/100 and 10/100/1000 ports
- **Jumbo Frames:** on Gigabit Ethernet and 10-Gigabit ports, they allow high-performance remote backup and disaster recovery services

Performance

- **Hardware-based wire-speed access control lists (ACLs):** feature-rich ACL implementation (TCAM based) helps ensure high levels of security and ease of administration without impacting network performance

Resiliency and high availability

- **Virtual Router Redundancy Protocol (VRRP):** allows groups of two routers to dynamically back each other up to create highly available routed environments
- **Device Link Detection Protocol (DLDP):** monitors link connectivity and shuts down ports at both ends if unidirectional traffic is detected, preventing loops in STP-based networks
- **Link Aggregation Control Protocol (LACP):** LACP allows to bundle several physical ports together to form a single logical channel.



QuickSpecs

HP 5810-48G Switch

Overview

Manageability

- **RMON** (remote monitoring): provides advanced monitoring and reporting capabilities for statistics, history, alarms, and events
- **Web interface**: allows configuration of the switch from any Web browser on the network
- **Multiple configuration files**: allow multiple configuration files to be stored to a flash image
- **Troubleshooting**: ingress and egress port monitoring enable network problem solving

Layer 2 switching

- **16K MAC address table**: provides access to many Layer 2 devices
- **4,094 port-based VLANs**: provide security between workgroups
- **Gigabit Ethernet port aggregation**: allows grouping of ports to increase overall data throughput to a remote device
- **10 GbE port aggregation**: allows grouping of ports to increase overall data throughput to a remote device
- **Spanning Tree/MSTP, RSTP, and STP Root Guard**: prevent network loops

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

Layer 3 routing

- **Layer 3 IP routing**:
 - **Static IP routing**: provides basic routing (supporting up to 1K static routes); allows manual configuration of routing

Security

- **Advanced processor queuing mechanism**: helps prevent denial-of-service (DoS) attacks, while DHCP snooping helps ensure that devices can only receive an IP address from a legitimate DHCP server on the network
- **IP Source Guard**: helps prevent IP spoofing attacks
- **HTTPS management**: provides secure Web management
- **RADIUS/HWTACACS**: eases switch management security administration by using a password authentication server
- **Secure Shell (SSHv2)**: encrypts all transmitted data for secure, remote CLI access over IP networks

Convergence

- **LLDP-MED**: is a standard extension that automatically configures network devices, including LLDP-capable IP phones

Monitor and diagnostics

- **Port mirroring**: enables traffic on a port to be simultaneously sent to a network analyzer for monitoring
- **Remote Span (Rspan)**: RSPAN extends SPAN by enabling remote monitoring of multiple switches across your network.

Additional information

- **Green IT and power**: use the latest advances in silicon development, shut off unused ports, and use variable-speed fans to improve energy efficiency

Warranty and support

- **Lifetime warranty**: for as long as you own the product with advance replacement and next-business-day delivery (available in most countries)*
- **Electronic and telephone support**: limited electronic and telephone support is available from HP; refer to: www.hp.com/networking/warranty for details on the support provided and the period during which support is available



QuickSpecs

HP 5810-48G Switch

Overview

- **Software releases:** refer to: www.hp.com/networking/warranty for details on the software releases provided and the period during which software releases are available for your product(s)

* Hardware warranties replacement for as long as you own the product, with next business day advance replacement (available in most countries). The disk drive included with HP Alliance One Advanced Services and Services z1 Modules, HP Threat Management Services z1 Module, HP AllianceOne Ext z1 Mod w/Rvrbd Stlhd, HP E-MSM765z1 Mobility Controller and HP Surv Brch Com z1 Mod pwrby Msft Lync has a five-year hardware warranty. For details, refer to the Software license and hardware warranty statements at: www.hp.com/networking/warranty.



QuickSpecs

HP 5810-48G Switch

Technical Specifications

HP 5810-48G Switch (JF242A)	Ports	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) 2 SFP 100/1000 Mbps ports 2 SFP+ 10-GbE ports; Duplex: full only 1 RJ-45 serial console port 1 RJ-45 out-of-band management port	
	Power supplies	2 power supply slots 1 minimum power supply required includes: 1 x JC087A (HP 5800 300W AC Power Supply)	
Physical characteristics	Dimensions	16.54(d) x 17.32(w) x 1.72(h) in. (42 x 44 x 4.36 cm) (1U height)	
	Weight	17.64 lb. (8 kg)	
Memory and processor	512 MB SDRAM, 512 MB flash; packet buffer size: 24 MB		
Mounting	Mounts in EIA-standard 19 in. telco rack or equipment cabinet (hardware included)		
Performance	Throughput	up to 101 million pps	
	Routing/Switching capacity	136 Gbps	
	MAC address table size	16000 entries	
Environment	Operating temperature	32°F to 113°F (0°C to 45°C)	
	Operating relative humidity	10% to 90%, noncondensing	
Electrical characteristics	Maximum heat dissipation	614 BTU/hr (647.77 kJ/hr)	
	Voltage	100-120/200-240 VAC	
	Frequency	50/60 Hz	
Safety	UL 60950-1; EN 60825-1 Safety of Laser Products-Part 1; EN 60825-2 Safety of Laser Products-Part 2; IEC 60950-1; CAN/CSA-C22.2 No. 60950-1; Anatel; ULAR; GOST; EN 60950-1/A11; FDA 21 CFR Subchapter J; NOM; ROHS Compliance		
Emissions	VCCI Class A; EN 55022 Class A; ICES-003 Class A; ANSI C63.4 2003; AS/NZS CISPR22 Class A; EN 61000-3-2:2006; EN 61000-3-3:1995 +A1:2001+A2:2005; EMC Directive 2004/108/EC; FCC (CFR 47, Part 15) Class A		
Immunity	Generic	ETSI EN 300 386 V1.3.3	
	EN	EN 55024:1998+ A1:2001 + A2:2003	
	ESD	EN 61000-4-2; IEC 61000-4-2	
	Radiated	EN 61000-4-3; IEC 61000-4-3	
	EFT/Burst	EN 61000-4-4; IEC 61000-4-4	
	Surge	EN 61000-4-5; IEC 61000-4-5	
	Conducted	EN 61000-4-6; IEC 61000-4-6	
	Power frequency magnetic field	IEC 61000-4-8; EN 61000-4-8	
Voltage dips and interruptions	EN 61000-4-11; IEC 61000-4-11		



QuickSpecs

HP 5810-48G Switch

Technical Specifications

	Harmonics	EN 61000-3-2, IEC 61000-3-2
	Flicker	EN 61000-3-3, IEC 61000-3-3
Management	IMC - Intelligent Management Center; command-line interface; Web browser; out-of-band management; SNMP Manager; Telnet; HTTPS; RMON1; FTP	
Notes	The 5810 switch provides a power module when shipped. Customer can select two power modules to implement 1 + 1 power supply redundancy.	
Services	3-year, 4-hour onsite, 13x5 coverage for hardware (HQ063E) 3-year, 4-hour onsite, 24x7 coverage for hardware (HQ064E) 3-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 SW phone support and SW updates (HQ067E) 3-year, 24x7 SW phone support, software updates (HQ066E) 1-year, post-warranty, 4-hour onsite, 13x5 coverage for hardware (HR569E) 1-year, post-warranty, 4-hour onsite, 24x7 coverage for hardware (HR570E) 4-year, 4-hour onsite, 13x5 coverage for hardware (HQ068E) 4-year, 4-hour onsite, 24x7 coverage for hardware (HQ069E) 4-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone (HQ076E) 4-year, 24x7 SW phone support, software updates (HQ074E) 5-year, 4-hour onsite, 13x5 coverage for hardware (HQ071E) 5-year, 4-hour onsite, 24x7 coverage for hardware (HQ072E) 5-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone (HQ077E) 5-year, 24x7 SW phone support, software updates (HQ075E) 3 Yr 6 hr Call-to-Repair Onsite (HQ065E) 4 Yr 6 hr Call-to-Repair Onsite (HQ070E) 5 Yr 6 hr Call-to-Repair Onsite (HQ073E) 1-year, 6 hour Call-To-Repair Onsite for hardware (HR573E) 1-year, 24x7 software phone support, software updates (HR572E) 1-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone support and software updates (HR571E) 1-year, 24x7 software phone support, software updates + Next Business Day Hardware Exchange (HS666E) 1-year, 24x7 software phone support, software updates + 4 hour hardware exchange (HS667E)	
	Refer to the HP website at: www.hp.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 HP sales office.	
Standards and protocols	General Protocols	IEEE 802.1D MAC Bridges IEEE 802.1p Priority IEEE 802.1Q VLANs IEEE 802.1s (MSTP) IEEE 802.1v VLAN classification by Protocol and Port IEEE 802.1w Rapid Reconfiguration of Spanning Tree IEEE 802.3ad Link Aggregation Control Protocol (LACP)



QuickSpecs

HP 5810-48G Switch

Technical Specifications

	IEEE 802.3ae 10-Gigabit Ethernet
	IEEE 802.3x Flow Control
	RFC 768 UDP
	RFC 792 ICMP
	RFC 793 TCP
	RFC 826 ARP
	RFC 854 TELNET
	RFC 925 Multi-LAN Address Resolution
	RFC 951 BOOTP
	RFC 1519 CIDR
	RFC 1542 BOOTP Extensions
	RFC 2131 DHCP
	RFC 3576 Ext to RADIUS (CoA only)
	RFC 4675 RADIUS VLAN & Priority
MIBs	IEEE8021-PAE-MIB
	IEEE8023-LAG-MIB
	RFC 1213 MIB II
	RFC 1493 Bridge MIB
	RFC 2011 SNMPv2 MIB for IP
	RFC 2013 SNMPv2 MIB for UDP
	RFC 2233 Interface MIB
	RFC 2273 SNMP-NOTIFICATION-MIB
	RFC 2571 SNMP Framework MIB
	RFC 2572 SNMP-MPD MIB
	RFC 2573 SNMP-Notification MIB
	RFC 2618 RADIUS Client MIB
	RFC 2620 RADIUS Accounting MIB
	RFC 2665 Ethernet-Like-MIB
	RFC 2674 802.1p and IEEE 802.1Q Bridge MIB
	RFC 2688 MAU-MIB
	RFC 2819 RMON MIB
	RFC 2925 Ping MIB
	RFC 3414 SNMP-User based-SM MIB
	RFC 3415 SNMP-View based-ACM MIB
	RFC 3418 MIB for SNMPv3
	RFC 3826 AES for SNMP's USM MIB
	RFC 4133 Entity MIB (Version 3)
	LLDP-EXT-DOT1-MIB
	LLDP-EXT-DOT3-MIB
	LLDP-MIB
Network Management	IEEE 802.1AB Link Layer Discovery Protocol (LLDP)
	RFC 2819 Four groups of RMON: 1 (statistics), 2 (history), 3 (alarm) and 9 (events)
	RFC 3176 sFlow
	ANSI/TIA-1057 LLDP Media Endpoint Discovery (LLDP-MED)
	SNMPv1/v2c/v3



QuickSpecs

HP 5810-48G Switch

Technical Specifications

Security

RFC 1492 TACACS+
RFC 2865 RADIUS (client only)
RFC 2866 RADIUS Accounting
Secure Sockets Layer (SSL)
SSHv2 Secure Shell



QuickSpecs

HP 5810-48G Switch

Accessories

HP 5810-48G Switch accessories

Transceivers	HP X125 1G SFP LC LH40 1310nm Transceiver	JD061A
	HP X120 1G SFP LC LH40 1550nm Transceiver	JD062A
	HP X125 1G SFP LC LH70 Transceiver	JD063B
	HP X110 100M SFP LC LH40 Transceiver	JD090A
	HP X110 100M SFP LC LH80 Transceiver	JD091A
	HP X130 10G SFP+ LC SR Transceiver	JD092B
	HP X130 10G SFP+ LC LRM Transceiver	JD093B
	HP X130 10G SFP+ LC LR Transceiver	JD094B
	HP X110 100M SFP LC FX Transceiver	JD102B
	HP X120 1G SFP LC SX Transceiver	JD118B
	HP X120 1G SFP LC LX Transceiver	JD119B
	HP X110 100M SFP LC LX Transceiver	JD120B
	HP X240 10G SFP+ to SFP+ 0.65m Direct Attach Copper Cable	JD095B
	HP X240 10G SFP+ to SFP+ 1.2m Direct Attach Copper Cable	JD096B
	HP X240 10G SFP+ to SFP+ 3m Direct Attach Copper Cable	JD097B
Cables	NEW HP 1 m PremierFlex OM3+ LC/LC Optical Cable	BK838A
	NEW HP 2 m PremierFlex OM3+ LC/LC Optical Cable	BK839A
	NEW HP 5 m PremierFlex OM3+ LC/LC Optical Cable	BK840A
	NEW HP 15 m PremierFlex OM3+ LC/LC Optical Cable	BK841A
	NEW HP 30 m PremierFlex OM3+ LC/LC Optical Cable	BK842A
	NEW HP 50 m PremierFlex OM3+ LC/LC Optical Cable	BK843A
Power Supply	HP 5800 300W AC Power Supply	JC087A
Fan Tray	HP 5800 1RU Spare Fan Assembly	JC098A



QuickSpecs

HP 5810-48G Switch

Accessory Product Details

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

<p>HP X125 1G SFP LC LH40 Ports 1310nm Transceiver (JD061A)</p> <p>A small form-factor pluggable SFP Gigabit LH40 transceiver that provides a full duplex Gigabit solution up to 40km on a single-mode fiber.</p>	<p>Connectivity</p> <p>1 LC 1000Base-LH port (no IEEE standard exists for 1550 nm optics)</p> <p>Physical characteristics</p> <p>Connector type LC Wavelength 1310 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)</p> <p>Electrical characteristics</p> <p>Power consumption typical 0.8 W Power consumption maximum 1.0 W</p> <p>Cabling</p> <p>Cable type: Single-mode fiber optic, complying with ITU-T G.652;</p> <p>Maximum distance:</p> <ul style="list-style-type: none"> ● 40km distance <p>Fiber type Single Mode</p> <p>Services</p> <p>Refer to the HP website at: www.hp.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 HP sales office.</p>
<p>HP X120 1G SFP LC LH40 Ports 1550nm Transceiver (JD062A)</p> <p>A small form-factor pluggable (SFP) Gigabit LH40 transceiver that provides a full-duplex Gigabit solution up to 40 km on a single mode fiber.</p>	<p>Connectivity</p> <p>1 LC 1000BASE-LH port (no IEEE standard exists for 1550 nm optics)</p> <p>Physical characteristics</p> <p>Connector type LC Wavelength 1550 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)</p> <p>Electrical characteristics</p> <p>Power consumption typical 0.8 W Power consumption maximum 1.0 W</p> <p>Cabling</p> <p>Cable type: Single-mode fiber optic, complying with ITU-T G.652;</p> <p>Maximum distance:</p> <ul style="list-style-type: none"> ● 40km distance <p>Fiber type Single Mode</p> <p>Services</p> <p>Refer to the HP website at: www.hp.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 HP sales office.</p>



QuickSpecs

HP 5810-48G Switch

Accessory Product Details

HP X125 1G SFP LC LH70 Transceiver (JD063B)	Ports	1 LC 1000BASE-LH port (no IEEE standard exists for 1550 nm optics)
	Connectivity	Connector type LC Wavelength 1550 nm
A small form-factor pluggable (SFP) Gigabit LH70 transceiver that provides a full-duplex Gigabit solution up to 70km on a single-mode fiber.	Physical characteristics	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: Single-mode fiber optic, complying with ITU-T G.652; Maximum distance: • 70km Fiber type Single Mode
	Services	Refer to the HP website at: www.hp.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 HP sales office.

HP X120 1G SFP LC SX Transceiver (JD118B)	Ports	1 LC 1000BASE-SX port
	Connectivity	Connector type LC Wavelength 850 nm
A small form-factor pluggable (SFP) Gigabit SX transceiver that provides a full-duplex Gigabit solution up to 550m on a Multimode fiber.	Physical characteristics	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 HP website at: www.hp.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 HP sales office.



QuickSpecs

HP 5810-48G Switch

Accessory Product Details

<p>HP X120 1G SFP LC LX Transceiver (JD119B)</p> <p>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</p>	<p>Ports</p> <p>Connectivity</p> <p>Physical characteristics</p> <p>Electrical characteristics</p> <p>Cabling</p> <p>Services</p>	<p>1 SFP 1000BASE-LX port (IEEE 802.3z Type 1000BASE-LX)</p> <p>Connector type LC</p> <p>Wavelength 1300 nm</p> <p>Dimensions 2.17(d) x 0.6(w) x 0.46(h) in. (5.51 x 1.52 x 1.17 cm)</p> <p>Full configuration weight 0.04 lb. (0.02 kg)</p> <p>Power consumption typical 0.8 W</p> <p>Power consumption maximum 1.0 W</p> <p>Cable type: Either single mode or multimode;</p> <p>Maximum distance:</p> <ul style="list-style-type: none"> • 550m for Multimode • 10km for Singlemode <p>Fiber type Both</p> <p>Refer to the HP website at www.hp.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 HP sales office.</p>
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<p>HP 1 m PremierFlex OM3+ LC/LC Optical Cable (BK838A)</p>	<p>Notes</p> <p>Services</p>	<p>Cable Specs: Graded-index, "bendable" fiber optic multimode OM3+ 50/125um duplex cable and Ethernet assembly with LC duplex connectors on each end.</p> <ul style="list-style-type: none"> • 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: HP 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 <p>Refer to the HP website at www.hp.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 HP sales office.</p>
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QuickSpecs

HP 5810-48G Switch

Accessory Product Details

HP 2 m PremierFlex
OM3+ LC/LC Optical
Cable (BK839A)

Notes

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 \pm 3um, Cladding diameter: 125um \pm 2um; Coating diameter: 245 \pm 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: HP 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

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HP 5 m PremierFlex
OM3+ LC/LC Optical
Cable (BK840A)

Notes

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 \pm 3um, Cladding diameter: 125um \pm 2um; Coating diameter: 245 \pm 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: HP 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

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QuickSpecs

HP 5810-48G Switch

Accessory Product Details

HP 15 m PremierFlex OM3+ LC/LC Optical Cable (BK841A) **Notes**

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 \pm 3um, Cladding diameter: 125um \pm 2um; Coating diameter: 245 \pm 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: HP 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

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HP 30 m PremierFlex OM3+ LC/LC Optical Cable (BK842A) **Notes**

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 \pm 3um, Cladding diameter: 125um \pm 2um; Coating diameter: 245 \pm 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: HP 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

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QuickSpecs

HP 5810-48G Switch

Accessory Product Details

**HP 50 m PremierFlex
OM3+ LC/LC Optical
Cable (BK843A)** **Notes**

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 \pm 3um, Cladding diameter: 125um \pm 2um; Coating diameter: 245 \pm 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: HP 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

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