

Overview

HPE PS1810 Switch Series

Models

HPE PS1810-8G Switch	J9833A
HPE PS1810-24G Switch	J9834A

Key features

- Switch design that works seamlessly with HPE ProLiant Gen8 servers
- 8-port switch allows for physical stacking on HPE ProLiant MicroServer Gen8 platform
- Built-in HPE ProLiant Server Management dashboard
- Fanless design for quiet operation
- Limited Lifetime warranty

Product overview

The HPE PS1810 Switch Series consists of smart-managed, fixed-configuration Gigabit Ethernet Layer 2 switches that are purpose built to work with HPE ProLiant Gen8 servers. The series switches are designed for small businesses looking for an integrated, easy-to-administer switch that complements the HPE ProLiant Gen8 server solution.

The series includes 8- and 24-port models. The 8-port model has an innovative design that allows it to be physically stacked on top of the HPE ProLiant MicroServer Gen8 platform. This switch can be powered by an upstream Power over Ethernet (PoE) switch for deployments where no line power is available. The 24-port model ships with a rackmount kit for rack deployments and includes SFP ports for fiber uplink connectivity. Both models have a fanless design, making them ideal for office deployments. Both models support additional flexible mounting options, including wallmount and under-table mounting.

The HPE PS1810 Switch Series has a built-in ability to autodiscover and monitor HPE ProLiant Gen8 servers. Monitored ProLiant Gen8 servers report real-time health status to the switch via the Hewlett Packard Enterprise Integrated Lights-Out (iLO) interface, enabling an integrated single pane-of-glass view for switch and server maintenance. Layer 2 switching features include VLANs, Spanning Tree, and link aggregation trunking. The latest energy-saving capabilities like Energy Efficient Ethernet (EEE) and idle-port power down are also supported on this series. The PS1810 switch models come with a limited lifetime warranty

Features and benefits

Management

- **HPE ProLiant Server Dashboard**
enables autodiscovery of HPE ProLiant Gen8 servers in the network; provides up-to-date server health status for up to ten monitored servers
- **Simple web management**
allows easy management of device by even nontechnical users with its intuitive Web GUI
- **Secure web GUI**
provides a secure, easy-to-use graphical interface for configuring the module via HTTPS
- **SNMPv1, v2c**
enables devices to be discovered and monitored from an SNMP management station
- **Dual flash images**
provides independent primary and secondary operating system files for backup while upgrading

Overview

- **Port mirroring**
enables traffic on a port to be simultaneously sent to a network analyzer for monitoring
- **IEEE 802.1AB Link Layer Discovery Protocol (LLDP)**
advertises and receives management information from adjacent devices on a network, facilitating easy mapping by network management applications

Connectivity

- **Auto-MDI/MDIX**
adjusts automatically for straight-through or crossover cables on all ports
- **Packet storm protection**
protects against broadcast, multicast, or unicast storms with user-defined thresholds
- **IEEE 802.3af PoE-powered device option**
obtains power provided by a standard PoE device connected to Port 1; deploy the switch wherever an Ethernet cable can reach as a power outlet is not needed (8-port model only)
- **SFP ports for fiber connectivity**
provides fiber connections for uplinks and other connections across longer distances than what copper cabling can support; "true" SFP ports operate in addition to available copper Ethernet ports providing a higher total number of available ports (24-port model only)

Layer 2 switching

- **VLAN support and tagging**
supports up to 64 port-based VLANs and dynamic configuration of IEEE 802.1Q VLAN tagging, providing security between workgroups
- **Jumbo packet support**
improves the performance of large data transfers; supports frame size of up to 9220-bytes

Resiliency and high availability

- **IEEE 802.1D Spanning Tree Protocol (STP) and IEEE 802.1W Rapid Spanning Tree Protocol**
provides redundant links while preventing network loops
- **Link Aggregation (trunking or bonding)**
groups ports together automatically using Link Aggregation Control Protocol (LACP) or manually, to form an ultra-high-bandwidth connection to the server or network backbone; bonds together two NIC ports on the ProLiant MicroServer doubling the speed of services to the server

Security

- **Secure Sockets Layer (SSL)**
encrypts all HTTP traffic, allowing secure access to the browser-based management GUI in the switch
- **Automatic denial-of-service protection**
monitors six types of 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

Ease of use

- **Locator LED (switch)**
allows users to set the locator LED on a specific switch to either turn on, blink, or turn off; simplifies troubleshooting by making it easy to locate a particular switch within a rack of similar switches

Overview

- **Comprehensive LED display with per-port indicators**
provides an at-a-glance view of status, activity, speed, and full-duplex operation

Flexibility

- **Flexible mounting options**
switches stack physically on top of an HPE ProLiant MicroServer Gen8 platform due to their unique design (the 8-port model); the 24-port model ships with a rackmount kit; both switches support desktop, wallmount, and under-table mounting options
- **Rack mountable (24-port models)**
offers a rack-mounting option with included hardware
- **Kensington lock slot**
allows switches to be physically secured in open-space deployments

Additional information

- **Energy savings**
utilizes Energy Efficient Ethernet (EEE) IEEE 802.3az standard for lower power consumption
- **Green IT and power**
places inactive ports automatically in low power mode and its LED in power-down mode to conserve energy
- **Green initiative support**
provides support for RoHS and WEEE regulations

Quality of Service (QoS)

- **Traffic prioritization (IEEE 802.1p)**
allows real-time traffic classification with eight priority levels mapped to four queues
- **IEEE 802.1p prioritization with Differentiated Services Code Point (DSCP)**
delivers data to devices based on the priority and type of traffic using DSCP
- **Broadcast control**
allows limitation of broadcast traffic rate to cut down on unwanted network broadcast traffic

Warranty and support

- **Limited Lifetime Warranty v2.0**
See <http://www.hpe.com/officeconnect/support> for 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 PS1810-8G Switch

- 8 RJ-45 autosensing 10/100/1000 ports
- 1U - Height

J9833A
See Configuration
NOTE:2

HPE PS1810-8G Switch

- 8 RJ-45 autosensing 10/100/1000 ports
- 1U - Height

J9833A#B01
See Configuration
NOTE:2, 3

No Power Cord

- No Localized Power Cord Selected

J9833A#AC3

HPE PS1810-24G Switch

- 24 RJ-45 autosensing 10/100/1000 ports
- 2 SFP 100/1000 ports
- 1U - Height

J9834A
See Configuration
NOTE:1, 2

HPE PS1810-24G Switch

- 24 RJ-45 autosensing 10/100/1000 ports
- 2 SFP 100/1000 ports
- 1U - Height

J9834A#B01
See Configuration
NOTE:1, 2, 3

No Power Cord

- No Localized Power Cord Selected

J9834A#AC3

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 X111 100M SFP LC FX Transceiver	J9054C

Note 2 Localization required. (See Localization Menu for list.)

Note 3 This is a Ship-Along with specific ISS Servers only. See ISS Menu for further details.

Transceivers

SFP Transceivers

Configuration

HPE X121 1G SFP LC SX Transceiver	J4858C
HPE X121 1G SFP LC LX Transceiver	J4859C
HPE X111 100M SFP LC FX Transceiver	J9054C

Cables

Multi-Mode 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

Technical Specifications

HPE PS1810-8G Switch (J9833A)

Ports	8 RJ-45 autosensing 10/100/1000 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T); Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only	
Physical characteristics	Dimensions	9.06(w) x 4.65(d) x 1.73(h) in (23 x 24.5 x 4.39 cm) (1U height)
	Weight	2.71 lb (1.23 kg)
Memory and processor	128 MB RAM, 8 MB flash; packet buffer size: 512 KB	
Mounting	Mounts on HPE Proliant MicroServer Gen8, desktop, wall and under table mounting	
Performance	100 Mb Latency	< 3.3 μ s (64-byte packets)
	1000 Mb Latency	< 2.3 μ s (64-byte packets)
	Throughput	up to 11.9 million pps
	Switching capacity	16 Gbps
	MAC address table size	8000 entries
	Environment	Operating temperature
Operating relative humidity		15% to 95% @ 104°F (40°C)
Nonoperating/Storage temperature		-40°F to 158°F (-40°C to 70°C)
Nonoperating/Storage relative humidity		15% to 95% @ 140°F (60°C)
Altitude		up to 10,000 ft (3 km)
Acoustic		Power: 0 dB no fan
Electrical characteristics	Frequency	50/60 Hz
	Voltage	100 - 240 VAC, rated
	Current	.5 A
	Maximum power rating	7.2 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 60950-1; IEC 60950; EN 60950	
Emissions	EN 55022 Class A; CISPR 22 Class A; VCCI V-3; FCC (CFR 47, Part 15) Subpart B Class A; VCCI V-4	
Immunity	ESD	EN 61000-4-2
	Radiated	EN 61000-4-3
	EFT/Burst	EN 61000-4-4
	Surge	EN 61000-4-5
	Conducted	EN 61000-4-6
	Power frequency magnetic field	IEC 61000-4-8
	Voltage dips and interruptions	EN 61000-4-11
	Harmonics	EN 61000-3-2
Flicker	EN 61000-3-3	

Technical Specifications

Management	IMC - Intelligent Management Center; Web browser; HTTPS
Notes	Use only supported genuine HPE SFPs with your switch. Link aggregation support: 4 trunks of 4 links each
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 PS1810-24G Switch (J9834A)

Ports	24 RJ-45 autosensing 10/100/1000 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T); Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only 2 SFP 100/1000 Mbps ports Supports a maximum of 24 autosensing 10/100/1000 ports plus 2 SFP ports, or a combination												
Physical characteristics	<table> <tr> <td>Dimensions</td> <td>12.99(w) x 6.81(d) x 1.73(h) in (32.99 x 17.3 x 4.39 cm) (1U height)</td> </tr> <tr> <td>Weight</td> <td>2.2 lb (1.15 kg)</td> </tr> </table>	Dimensions	12.99(w) x 6.81(d) x 1.73(h) in (32.99 x 17.3 x 4.39 cm) (1U height)	Weight	2.2 lb (1.15 kg)								
Dimensions	12.99(w) x 6.81(d) x 1.73(h) in (32.99 x 17.3 x 4.39 cm) (1U height)												
Weight	2.2 lb (1.15 kg)												
Memory and processor	128 MB RAM, 8 MB flash; packet buffer size: 512 KB												
Mounting	Mounts in an EIA-standard 19 in. telco rack (hardware included); horizontal surface, wall, and under-table mounting												
Performance	<table> <tr> <td>100 Mb Latency</td> <td>< 3.4 μs (64-byte packets)</td> </tr> <tr> <td>1000 Mb Latency</td> <td>< 2.2 μs (64-byte packets)</td> </tr> <tr> <td>Throughput</td> <td>up to 38.7 million pps</td> </tr> <tr> <td>Switching capacity</td> <td>16 Gbps</td> </tr> <tr> <td>MAC address table size</td> <td>8000 entries</td> </tr> </table>	100 Mb Latency	< 3.4 μ s (64-byte packets)	1000 Mb Latency	< 2.2 μ s (64-byte packets)	Throughput	up to 38.7 million pps	Switching capacity	16 Gbps	MAC address table size	8000 entries		
100 Mb Latency	< 3.4 μ s (64-byte packets)												
1000 Mb Latency	< 2.2 μ s (64-byte packets)												
Throughput	up to 38.7 million pps												
Switching capacity	16 Gbps												
MAC address table size	8000 entries												
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>15% to 95% @ 104°F (40°C)</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>15% to 95% @ 140°F (60°C)</td> </tr> <tr> <td>Altitude</td> <td>up to 10,000 ft (3 km)</td> </tr> <tr> <td>Acoustic</td> <td>Power: 0 dB no fan</td> </tr> </table>	Operating temperature	32°F to 104°F (0°C to 40°C)	Operating relative humidity	15% to 95% @ 104°F (40°C)	Nonoperating/Storage temperature	-40°F to 158°F (-40°C to 70°C)	Nonoperating/Storage relative humidity	15% to 95% @ 140°F (60°C)	Altitude	up to 10,000 ft (3 km)	Acoustic	Power: 0 dB no fan
Operating temperature	32°F to 104°F (0°C to 40°C)												
Operating relative humidity	15% to 95% @ 104°F (40°C)												
Nonoperating/Storage temperature	-40°F to 158°F (-40°C to 70°C)												
Nonoperating/Storage relative humidity	15% to 95% @ 140°F (60°C)												
Altitude	up to 10,000 ft (3 km)												
Acoustic	Power: 0 dB no fan												
Electrical characteristics	<table> <tr> <td>Frequency</td> <td>50/60 Hz</td> </tr> <tr> <td>Voltage</td> <td>100 - 127 / 200 - 240 VAC, rated</td> </tr> <tr> <td>Current</td> <td>.4/3 A</td> </tr> <tr> <td>Maximum power rating</td> <td>22 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	Voltage	100 - 127 / 200 - 240 VAC, rated	Current	.4/3 A	Maximum power rating	22 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												
Voltage	100 - 127 / 200 - 240 VAC, rated												
Current	.4/3 A												
Maximum power rating	22 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 60950-1; IEC 60950; EN 60950												
Emissions	EN 55022 Class A; CISPR 22 Class A; VCCI V-3; FCC (CFR 47, Part 15) Subpart B Class A; VCCI V-4												
Immunity	<table> <tr> <td>ESD</td> <td>EN 61000-4-2</td> </tr> <tr> <td>Radiated</td> <td>EN 61000-4-3</td> </tr> <tr> <td>EFT/Burst</td> <td>EN 61000-4-4</td> </tr> <tr> <td>Surge</td> <td>EN 61000-4-5</td> </tr> </table>	ESD	EN 61000-4-2	Radiated	EN 61000-4-3	EFT/Burst	EN 61000-4-4	Surge	EN 61000-4-5				
ESD	EN 61000-4-2												
Radiated	EN 61000-4-3												
EFT/Burst	EN 61000-4-4												
Surge	EN 61000-4-5												

Technical Specifications

Conducted	EN 61000-4-6
Power frequency magnetic field	IEC 61000-4-8
Voltage dips and interruptions	EN 61000-4-11
Harmonics	EN 61000-3-2
Flicker	EN 61000-3-3

Management IMC - Intelligent Management Center; Web browser; HTTPS

Notes Use only supported genuine HPE SFPs with your switch.
Link aggregation support: 4 trunks of 4 links each

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

(applies to all products in series)

Denial of service protection

CPU DoS Protection

General protocols

IEEE 802.1p Priority
IEEE 802.1Q VLANs
IEEE 802.1W Rapid Spanning Tree Protocol
IEEE 802.3ad Link Aggregation Control Protocol (LACP)

IEEE 802.3az Energy Efficient Ethernet
IEEE 802.3x Flow Control
RFC 1534 DHCP/BOOTP Interoperation
RFC 2030 Simple Network Time Protocol (SNTP) v4

Network management

IEEE 802.1AB Link Layer Discovery Protocol (LLDP)

Accessories

HPE PS1810 Switch Series accessories

HPE PS1810-24G Switch (J9834A)

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

Accessory Product Details

HPE LC to LC Multi-mode OM3 2-Fiber 2.0m 1-Pack Fiber Optic Cable (AJ835A)

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.

- Dimensions: Core diameter: $50 \pm 3.0\mu\text{m}$ Cladding diameter: $125 \pm 2.0\mu\text{m}$ Coating diameter: $245 \pm 10\mu\text{m}$
- 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 50/125 μm 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 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 μm fiber optic cable and Ethernet assembly with LC duplex connectors on one end and LC duplex connectors on other end.

Accessory Product Details

- 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 Multimode 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

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 30.0m 1-Pack Fiber Optic Cable (AJ838A)

Cabling

Cable type:

50/125 μ m (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 μ m fiber optic cable and Ethernet assembly with LC duplex connectors on one end and LC duplex connectors on other end.

- Dimensions: Core diameter: 50 \pm 3.0 μ m Cladding diameter: 125 \pm 2.0 μ m Coating diameter: 245 \pm 10 μ m
- 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 50/125 μ m 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

Cabling

Cable type:

50/125 μ m (core/cladding) diameter, multimode fiber optic, with effective

Accessory Product Details

50.0m 1-Pack Fiber Optic Cable (AJ839A)

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

Summary of Changes

Date	Version History	Action	Description of Change:
01-Oct-2018	Version 9	Changed	Recommended and Extended markings removed from the document.
04-Sep-2018	Version 8	Changed	QuickSpecs updated with the current Recommended-Extended Options
04-Sep-2017	Version 7	Changed	Updates made on Features and benefits
01-Aug-2016	Version 6	Changed	Adding #AC3 Option on Configuration section
27-May-2016	Version 5	Changed	Product description updated. Minor edits on Technical Specifications
01-Dec-2015	Version 4	Changed	Overview and Technical Specifications updated
01-Dec-2014	Version 3	Changed	Warranty and support updated
26-Jul-2013	Version 2	Changed	Updated the Product overview section.
10-Jun-2013	Version 1	Created	Document creation



Sign up for updates

© Copyright 2018 Hewlett Packard Enterprise Development LP. The information contained herein is subject to change without notice. The only warranties for Hewlett Packard Enterprise products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. Hewlett Packard Enterprise shall not be liable for technical or editorial errors or omissions contained herein.

To learn more, visit: <http://www.hpe.com/networking>

c04111385 - 14586 - Worldwide - V9 - 01-October-2018

