

HPE OfficeConnect 1950 Switch Series



What's new

- Flexible 10GbE connections-10GBASE-T copper and SFP+ fiber-in an affordable, smart web-managed switch series.
- Four-high stacking can simplify network administration and add resiliency.
- Power over Ethernet models supporting up to 370 Watts total PoE+/PoE power.
- Customized operation using intuitive Web browser-based interface
- Limited lifetime warranty for unit, power, and fans.

Overview

The HPE 1950 Switch Series is a family of smart web-managed Gigabit switches with 10GbE uplinks for small business customers needing advanced high-performance connections. The series has 2 standard and 2 PoE+ models, 24- and 48-GbE ports, each with 2 10GBASE-T and 2 10G SFP+ high-bandwidth ports.

True stacking of as many as 4 devices allows them to be logically administered as a single entity. The switches support Layer 3 static routing on IPv4 and IPv6. Other advanced features include ACLs, 802.1X, STP, RSTP, and MSTP. Limited lifetime warranty covers unit, fans and power supplies.

Features

High-level Gigabit with 10GbE Networking for Advanced Small Businesses.

Each model of the HPE 1950 Switch Series includes four 10GbE connections to connect to servers, network storage devices, or to other switches.

Two connections of 10GBASE-T deliver 10GbE over copper Category 6a cabling for simple, affordable, high-bandwidth connections to a maximum distance of 100 meters.

Two SFP+ ports allow for fiber connectivity at various distances, at 1/10GbE speeds, using optional SFP+ 10GbE or SFP Gigabit transceivers.

Aggregate 10GbE connections for even higher bandwidth using Link Aggregation Control Protocol.

Simplified Network Administration

Logically group or "stack" as many as four units of the HPE 1950 Switch Series and manage this as a single entity, greatly simplifying network administration. Interconnect stacked units using 10GbE connections, with as much as 40GbE total stacking bandwidth connecting the units.

Use the intuitive web-browser based interface to configure and administer these smart-managed devices.

These devices support SNMP versions 1, 2c and 3, allowing administration of these devices from a remote SNMP-based management platform.

Network Time Protocol facilitates timekeeping across your network so time-based actions and trouble-shooting logs are kept synchronized.

Units will automatically retrieve an IP Address from a DHCP server, allowing for near plug-and-play deployments.

Robust Security to Protect Your Network

The HPE 1950 Switch Series lets you use Virtual LANs and access control lists to set bounds on what data can be seen by which users.

Leverage 802.1X with a RADIUS server to ensure only known and authorized users can access your network.

Multiple features guard your network from user or server spoofing and from malicious network-based attacks.

Help secure management traffic using supported SSL/HTTPS encryption and SNMPv3 capabilities.

Resiliency Features to Keep Your Network Running

The HPE 1950 Switch Series supports Spanning Tree Protocol, Rapid Spanning Tree Protocol, and Multiple Spanning Tree Protocol standards for creating hot-standby recovery links.

Distribute important links across multiple units in a logical stack for added resiliency. Units can even be in different buildings and still be logically stacked.

Devices support two independent primary and secondary operating system flash images for backup and recovery during unit upgrades.

Power over Ethernet (PoE) models can be paired with an optional Redundant Power System which can maintain power even if the unit's power supply fails, as well as supplement available PoE power up to 780 Watts.



Technical specifications

HPE OfficeConnect 1950 Switch Series

Differentiator	HPE 1950 Switches are smart web-managed Gigabit Ethernet switches with 10G Gigabit uplinks, 4 total, 2 each SFP+ and copper 10GBASE-T. They support Layer 3 static routing, 4 high stacking, 802.1X login, ACLs. Standard and PoE+ models.
Ports	Model dependent: 28-port models have (24) 10/100/1000 ports plus (2) fixed GE/10G SFP+ and (2) GE/10GBase-T ports. 52-port models have (48) 10/100/1000 ports plus (2) fixed GE/10G SFP+ and (2) GE/10GBase-T ports. Two models with PoE+. Console port on all units.
Latency	100 Mb Latency: < 5 μ s 1000 Mb Latency: < 5 μ s 10 Gbps Latency: < 1.5 μ s
Throughput	Model dependent: 28-port models 95.2 Mpps, 52-port models 130.9 Mpps.
Routing/switching capacity	Model dependent: 28-port models 128 Gbps, 52-port models 176 Gbps.
PoE capability	Both PoE+ models support 370 Watt PoE/PoE+ power budget. For 48-Port PoE+ model, optional RPS for up to 780 Watt PoE/PoE+ power budget.
Stacking capabilities	Four-high resilient stacking using dual 10GbE ports (copper or fiber) 40 Gbps total stacking bandwidth.
Management features	IMC - Intelligent Management Center Limited command-line interface Web browser SNMP manager HTTPS RMON1 FTP Supported by HPE IMC and generic SNMP management platforms. Refer to documentation for MIB support details.
Input voltage	100-240 VAC
Operating humidity range	10 to 90% (noncondensing)



[For additional technical information, available models and options, please reference the QuickSpecs](#)

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Optimize your entire IT environment and drive innovation. Manage day-to-day IT operational tasks while freeing up valuable time and resources.

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Parts and Materials: HPE will provide HPE-supported replacement parts and materials required to maintain the covered hardware.

Parts and components that have reached their maximum supported lifetime and/or the maximum usage limitations as set forth in the manufacturer's operating manual, product quick-specs, or the technical product data sheet will not be provided, repaired, or replaced as part of these services.

Image may differ from the actual product
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