

HPE Networking Instant On Switch 1960

HPE Networking Instant On Switch 12p 10GBT 4p SFP+ 1960 (JL805A)



What's new

- Simplify network management by stacking up to four Instant On 1960 switches and managing them through one single IP address. Stacking supported via local and cloud-managed stacking modes.
- Smart-managed layer 2+ Ethernet access switch series ready to deploy in 12-port, 24-port, and 48-port for non-PoE and PoE (supports Class 4 and Class 6 PoE) models.
- The Networking Instant On 1960 aggregation switches comes with twelve 10 GBase-T and four SFP+ ports, providing 10 G connectivity to servers, network storage devices and access switches alike.

Overview

HPE Networking Instant On Switch 1960 series, consist of advanced, smart-managed, fixed configuration Gigabit stackable switches designed for small and growing businesses that are easy to deploy and affordable. These switches are designed to scale as business grows, making adding more employees, devices and applications simple. The Instant On 1960 switches are made to handle the today bandwidth-heavy applications like voice and video conferencing, enabling consistent connectivity to improve user experience and application performance. These switches come with flexible management option: local web GUI or Instant On mobile app and cloud-based web portal.

- For environments with heavy bandwidth needs, 10 GBase-T and SFP+ uplink ports deliver lightning-fast network speeds and nearly eliminates traffic bottlenecks.
- HPE Networking Instant On mobile app and/or cloud-based web portal for easy network management onsite or remotely.

Features

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

Each model of the HPE Networking Instant On Switch 1960 series includes four 10 GbE connections to connect to servers, network storage devices, or to other switches.

Two connections of 10 GBASE-T deliver 10 GbE over copper Category 5/6a cabling for simple, affordable, high-bandwidth connections to a maximum distance of 100 meters.

With PoE models, up to 30W PoE power delivery is available for Class 4 PoE devices like access points, surveillance cameras and VoIP phones, and up to 60W PoE power delivery is available for Class 6 PoE devices like pan-tilt zoom cameras and video-enabled IP-phones.

Simplify Network Deployment and Management for Small Organizations

The HPE Networking Instant On Switch 1960 series is a complete portfolio for increased small business flexibility. It consists of six models including two 24-port and two 48-port models in PoE and non-PoE configurations, a 12-port multi-rate switch, and a 12-port 10-Gigabit aggregation switch.

The 12-port, 24-port, and 48-port PoE models come with a power budget of 480W, 370W and 600W respectively to support the latest PoE-powered IoT devices.

The HPE Networking Instant On Switch 1960 series can be deployed using two management modes – Instant On cloud-management (access via mobile app and/or web portal) and the local web GUI.

Each switch has a pull-out tag, known as a luggage tag, on the front panel of the switch.

The tag includes a QR code that includes switch ID information (SKU number, SKU name, serial number, and MAC address) for easy switch onboarding through Instant On mobile app.

Ease of Use with Cloud-Managed Stacking

The HPE Networking Instant On mobile app and cloud-based web portal make cloud-managed stacking easy — just follow the recommendations to stack up to four HPE Networking Instant On Switch 1960 switches and manage as a single entity.

The HPE Networking Instant On mobile app automatically detects members, making multiple stack members easy to setup and manage remotely.

Automated configurations and streamlined workflows allow users to manage all stack members through one single dashboard without the need for device reboot.

Robust Security to Protect Your Network

The HPE Networking Instant On Switch 1960 series lets you use VLANs and Access Control Lists (ACL) 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.

Supports automatic denial-of-service (DOS) monitors and protects the network against malicious attacks.

Technical specifications	HPE Networking Instant On Switch 12p 10GBT 4p SFP+ 1960
Product Number	JL805A
Differentiator	Ports:12 x 10 G Uplink ports: 4 x SFP+
Power consumption	Maximum: 100-127V: 130W 200-220V: 160W Idle: 100-127V: 60W 200-220V: 80W
Input voltage	100-127VAC / 200-240VAC
External I/O ports	12 RJ-45 autosensing 1000/10 GBASE-T ports (IEEE 802.3ab Type 1000 BASE-T, IEEE 802.3an 10 GBASE-T); Duplex: 100 BASE-TX: half or full; 1000 BASE-T: full only 10 GBASE-T: full only 4 SFP+ 10GbE ports
Switching capacity	320 Gbps
Stacking capabilities	4H height
Throughput	238 Mpps
Memory and processor	Single-Core ARM v7 Cortex-A9 @800 MHz 1 GB DDR3 512 MB NAND flash Packet buffer size: 1.5 MB
Management features	HPE Networking Instant On Cloud Web browser SNMP Manager
Operating temperature	0-40°C, 0-10,000 ft
Weight	4.3 kg
Product dimensions	35.05 x 44.25 x 4.4 cm
Warranty	Limited lifetime warranty with 24X7 phone support for the first 90 days and chat support for the entire warranty duration. Community support is available for the life of the product.

HPE Services

No matter where you are in your transformation journey, you can count on HPE Services to deliver the expertise you need when, where and how you need it. From strategy and planning to deployment, ongoing operations and beyond, our experts can help you realize your digital ambitions.

Advisory & Professional services

Experts can help you map out your path to hybrid cloud and optimize your operations.

Managed services

HPE runs your IT operations, giving you unified control, so can focus on innovation.

Support services

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

- **HPE Complete Care Service:** a modular service designed to help optimize your entire IT environment and achieve agreed upon IT outcomes and business goals. All delivered by an assigned team of HPE experts.
- **HPE Tech Care Service:** the operational service experience for HPE products. The service provides access to product specific experts, an AI driven digital experience, and general technical guidance to help reduce risk and search for ways to do things better.
- **HPE Multivendor Services:** Single point of accountability for managing on-site hardware and software support for multivendor products. HPE experts help manage your IT across technologies and platforms for HPE and non-HPE technologies, acting as the single point of contact for your IT operational needs.

Lifecycle Services

Address your specific IT deployment project needs with tailored project management and deployment services.

HPE Education Services

Training and certification designed for IT and business professionals across all industries. Create learning paths to expand proficiency in a specific subject. Schedule training in a way that works best for your business with flexible continuous learning options

Defective Media Retention is optional and allows you to retain Disk or eligible SSD/Flash Drives replaced by HPE due to malfunction.

HPE GreenLake

[HPE GreenLake edge-to-cloud platform](#) is HPE's market-leading as-a-Service offering that brings the cloud experience to apps and data everywhere – data centers, multi-clouds, and edges – with one unified operating model, on premises, fully managed in a pay per use model.

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

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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.

[PSN1014138711WWEN](#), October 30, 2025.

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