

HPE Networking Instant On Switch 1830

HPE Networking Instant On Switch 24p Gigabit 2p SFP 1830 (JL812A)



What's new

- Smart-managed Layer 2 Ethernet switch series ready to deploy in 8, 24-, and 48-port for non-PoE and PoE models.
- Compact and fan-less 8-port PoE/non-PoE models and 24-port non-PoE model for acoustically sensitive environments.
- HPE Networking Instant On mobile app and/or cloud-based web portal for easy network management onsite or remotely.
- Two and four dedicated 1G SFP fiber ports on 24- and 48-port models respectively to eliminate traffic bottlenecks across your network.
- Option to manage your switches through local web GUI.
- Cost-effective PoE support: With half of the ports capable of supporting PoE, these switches are ideal for the most cost-efficient environments.

Overview

HPE Networking Instant On Switch 1830 series provides an easy to use and affordable wired solution for networks supporting IT, mobile, and cloud applications.

This affordable and easy-to-deploy smart-managed switch series is ideal for small businesses looking for cost-effective wired infrastructure to keep up with evolving network demands. These entry-level, smart-managed switches offer Layer 2 switching capabilities, Gigabit connectivity, along with flexible management modes - all at an affordable price point. With a flexible management dashboard, Power over Ethernet (PoE) options, and energy-efficient features, these switches deliver a solid business network for SMBs with limited budgets.

Features

Gigabit Connectivity for Small Businesses

HPE Networking Instant On Switch 1830 is a smart-managed Layer 2 Ethernet switch series ready to deploy in six models comprising of 8-, 24-, 48-port for non-PoE and Class 4 PoE models.

Two and four dedicated 1G SFP fiber ports on 24- and 48-port models respectively to eliminate traffic bottlenecks across your network.

With PoE models, you get up to 30W PoE power delivery is available for Class 4 PoE devices like access points, surveillance cameras and VoIP phones. The 8-port, 24-port and 48-port PoE models come with the power budget of 65W, 195W, and 370W respectively to support latest IoT devices.

8-port non-PoE switch can be powered by an upstream Power over Ethernet (PoE) switch for environments where no line power is available.

Simplify Network Deployment and Management

The HPE Networking Instant On Switch 1830 series features easy-to-use, out-of-the-box, plug-and-play deployment.

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

Class 4 PoE options allow power to devices like IP phones, surveillance cameras, and access points without the cost of additional cabling.

Keep Your Business Protected with Integrated Security Features

The HPE Networking Instant On Switch 1830 series is enhanced with security features such as VLANs, automatic Denial-of-service protection, Global Storm Control, and TPM (Trusted Platform module) based security to guard your network from unwanted or unauthorized access.

Global Storm Control protects against conditions where incoming packets flood the LAN, causing network performance degradation for unicast traffic with an unknown destination, and for broadcast and multicast traffic.

Includes a Trusted Platform Module (TPM) for protected hardware-based generation and storage of cryptographic keys used for connection to the HPE Networking Instant On cloud portal.

Better Energy Efficient Features for Reducing Environmental Footprint

The HPE Networking Instant On Switch 1830 series has Energy Efficient Ethernet (EEE), and is compliant with 802.3az standard requirements to save energy during periods of low data activity.

Energy-efficient cooling includes variable speed fans operating only at the speed necessary to maintain operating temperature to reduce excess noise and power consumption.

Features compact and fan-less 8-port and 24-port non-PoE models for acoustically-sensitive environments.

PoE Scheduling allows users to configure a specific day/time of the week (e.g. business hours) for Instant On switches to supply power to connected devices (e.g. surveillance cameras, access points, etc.).

Technical specifications **HPE Networking Instant On Switch 24p Gigabit 2p SFP 1830**

Product Number	JL812A
Differentiator	Entry-level, smart-managed, Gigabit Layer 2 switches. Easy-to-deploy, secure and affordable switches, designed for small businesses looking for cost-effective solution with evolving networking demands. Using the Instant On mobile app or the cloud-based web portal, quickly setup, monitor and manage the 1830 switches. Can also manage the device through the local web GUI. This model has 24 10/100/1000 RJ-45 and 2 SFP 1GbE ports.
Power consumption	Maximum: 100-127V: 19.1W 200-220V: 19W Idle: 100-127V: 7.6W 200-220V: 7.8W
Input voltage	100 - 240 VAC
Ports	24 RJ-45 10/100/1000 ports, 2 SFP 1GbE ports
Switching capacity	52 Gbps
Throughput	38.68 Mpps
Memory and processor	ARM Cortex-A9 @ 800MHz, 512 MB SDRAM, 256 MB flash packet buffer: 1.5 MB
PoE capability	-
Management features	HPE Networking Instant On Cloud Web browser SNMP Manager
Operating temperature	0-40°C, 0-10,000 ft
Weight	2.49 kg
Product dimensions (metric)	21.59 x 44.30 x 4.39 cm
Warranty	Limited Lifetime Warranty with 24x7 phone support for 90 days and chat support for the entire warranty duration.

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.

GreenLake

[GreenLake](#) is the cloud to run and manage your entire hybrid landscape—private, public, and edge. It helps you to:

- Streamline IT Operations across compute, storage, and networking without the chaos
- Unify and secure data, as you move faster
- Accelerate AI, from pilot to production

The result: greater operational efficiency, lower TCO, and faster AI delivery—all from one unified, intelligent platform built for today's hybrid enterprise.

[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.

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