![HPE Aruba Networking logo]

HPE Networking Instant On Switch 1830

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 businesseslooking for cost-effective wired infrastructure to keep upwith evolving network demands.These entry-level, smart-managed switchesofferLayer 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

![HPE GreenLake logo]

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 1830

Ports	48 10/100/1000 RJ-45 ports, 4 SFP 1GbE ports maximum, depending on model. PoE/PoE+ available on select models.
Memory and processor	ARM Cortex-A9 @ 800MHz, 512 MB SDRAM, 256 MB flash packet buffer: 1.5 MB
Throughput	77.37 Mpps maximum, depending on model
Switching capacity	104 Gbps maximum, depending on model
PoE capability	370W maximum, depending on model
Management features	HPE Networking Instant On Cloud Web browser SNMP Manager
Input voltage	100 - 240 VAC
Operating temperature	0-40°C, 0-10,000 ft
Power consumption	462.5W maximum, depending on model
Product dimensions (metric)	35.10 x 44.30 x 4.39 cm maximum, depending on model
Weight	4.94 kg maximum, depending on model

HPE Aruba Networking Services

HPE Aruba Networking services simplify
and accelerate the network technology
lifecycle, enabling your network to scale with
better predictability and cost-effectiveness.
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need to improve your IT efficiencies, or you
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Support Services

Our support portfolio provides the essential support elements as well as proactive and
preventive features to help you improve your team's productivity and get the most from
your network. Our support customers benefit from faster issue resolution, simplified
operations and efficiencies, and reduced network issues.

Professional Services

With deep intellectual capital and purpose-built tools, our team delivers a range of
standard and custom professional services designed to accelerate your value from HPE
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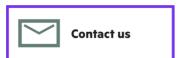| Project based services include:	Annual subscription services include:
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• Deployment, migration, and knowledge transfer	• Customer Experience Management

Our Education Services allow your team to come up to speed quickly.

HPE GreenLake for Networking

Our NaaS solution, is part of the HPE GreenLake services family, and simplifies network
operations, accelerates equipment handling, and increases the value of your HPE Aruba
Networking solution. If you need expert guidance and automation-based operations for
your team, please explore our NaaS approach through HPE GreenLake for Networking.

Make the right purchase decision.
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