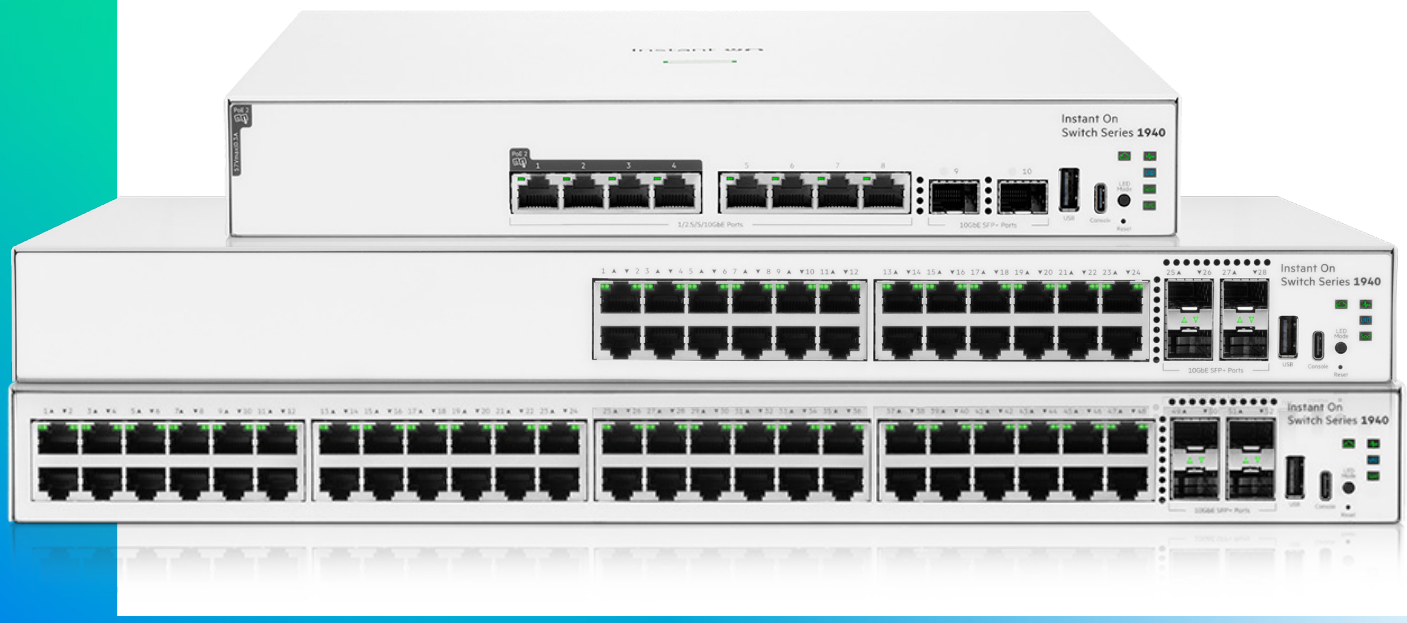
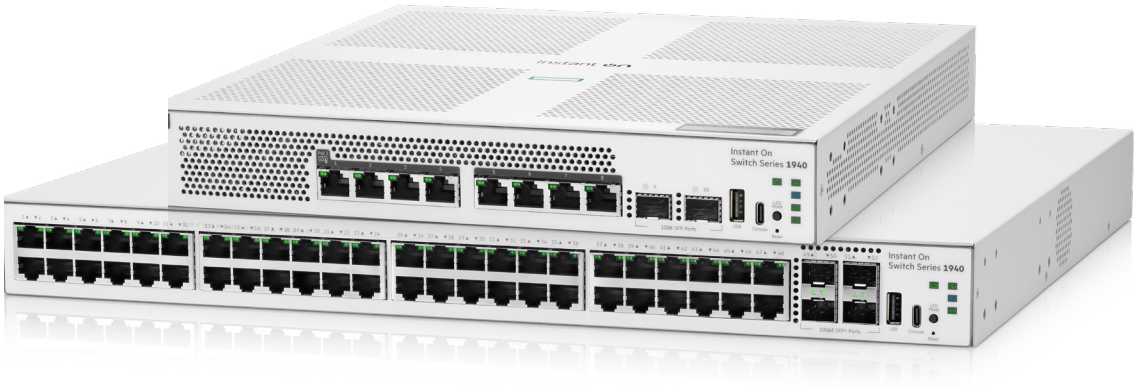
Data sheet



HPE Networking Instant On Switch Series 1940

An Enterprise-grade multi-gigabit performance and uncompromised edge security Switch Series, cloud-orchestrated by intent to slash SMB overhead

Built for AI-ready applications, multi-site networks, and dense user environments



Product Overview

Whether you are managing a multi-building motel property, a sprawling tool-and-garden retail center with integrated warehouse operations, a fast-growing tech startup, or a high-performance design firm, a secure and resilient network infrastructure is critical to your daily operational continuity. Modern small to mid-sized businesses require a networking solution that delivers enterprise-grade capabilities without the overhead of complex, dedicated IT infrastructure teams.

The HPE Networking Instant On Switch Series 1940 simplifies deployment, helps protect physical and digital assets through built-in security features, and supports reliable network operations. The Instant On 1940 switches feature advanced, Layer 2+ smart-managed, fixed-configuration Gigabit and HPE Smart Rate multi-Gigabit switches engineered specifically for fast-growing mid-sized business environments demanding high performance at an accessible price point. To reduce network bottlenecks, these switches feature built-in static routing, providing the inter-VLAN connectivity to optimize local traffic patterns. This allows data-heavy workloads, such as localized HD video surveillance storage, to be routed directly within the Instant On network. By offloading this traffic from the firewall or router, the switches can help optimize local traffic flows and support efficient network performance.

Leveraging the Instant On Cloud Portal, Mobile App, or local web GUI, administrators can provision, monitor, and manage the infrastructure remotely through supported management interfaces.. High-budget PoE models deliver robust power out of the box to power modern access points, smart building sensors, and VoIP phones. Advanced, built-in security features help reduce the risk of unauthorized access through rigorous traffic segmentation and hardware-level validation. Best of all, these enterprise capabilities are integrated directly into the hardware cost, meaning zero hidden subscription or licensing fees and a minimized total cost of ownership.

Highlights

— **Flexible, HPE Smart Rate Portfolio:** Cloud managed Layer 2+ Ethernet switches available in 8-, 24-, and 48-port configurations. Select models feature HPE Smart Rate Multi-Gigabit (up to 10GbE) access tiers, non-PoE/PoE variants, and high-speed SFP/SFP+ fiber uplinks for flexible backhaul.

— **High-Capacity Power:** Up to 600W of total PoE budget (supporting both Class 4 and high-power Class 6 PoE) to drive next-generation Wi-Fi access points, pan-tilt-zoom (PTZ) security cameras, smart door locks, and high-draw IoT devices.

— **Enterprise-Grade Unmatched Security:** Help SMBs Strengthen network security though Access Control Lists (ACLs), IEEE 802.1X, and strict traffic segmentation.

— **Advanced Anti-Spoofing Protocols:** Robust, embedded mitigation features—including DHCP Snooping, Dynamic ARP Inspection (DAI), and IP Source Guard—help mitigate risks associated with unauthorized network impersonation, spoofing, and man-in-the-middle attacks.

— **Hardware-Rooted Trust:** Enhanced system-level security featuring an embedded Trusted Platform Module (TPM 2.0), port security, and secure RADIUS/TACACS+ authentication without requiring separate security appliances in many deployment scenarios.

— **Eco-Friendly Operations:** Advanced energy-efficient design supporting Always-On PoE, Fast PoE, low-power modes (IEEE 802.3az), and real-time visibility via the centralized Instant On Cloud Portal power consumption dashboard.

— **Cloud-Managed Simplicity & Low Operational Expenses:** Manage anytime, anywhere via the Mobile App and Cloud Portal—allowing IT teams to quickly deploy, monitor, and manage up to 125 devices per site while helping reduce operational overhead.

— **Predictable TCO:** No ongoing licensing or subscription fees. Includes a limited lifetime warranty and expert HPE support.

Product Features

HPE Networking Instant On Cloud Portal

Network management
Beyond the local device level management offered through web UI, the HPE Networking Instant On Switch Series 1940 is supported by the Instant On cloud management portal and Mobile App. All Instant On products are supported there with an End-to-End homogenous and intuitive network level SMB ideal ease of management.

Easy setup and management
The Instant On Mobile App allows SMB operators to set up, manage, and monitor Instant On hardware directly from their phone. Within the application, step-by-step instructions guide network administrators to install Instant On devices and get their network "up-and-running" quickly with limited to no technical expertise required. Cloud-based access enables remote network management through supported Internet-connected devices.

Optimized user experience
The Instant On Mobile App enables common workflows for the complete Instant On network solution, making it easier to configure, monitor, and manage SMBs' network remotely without the need for additional cloud keys or VPN. SMB operators are alerted about new firmware availability, and the software upgrade can be conveniently scheduled during upcoming maintenance windows to keep SMBs' Instant On devices constantly current with latest enhancements.

Intent-based site management
Instant On Cloud Portal supports a policy engine enabling homogenous and end-to-end network level-controlled policies, enhancing the switch management. The policy engine enables users to control network access, prioritize traffic and schedule networks without deep networking expertise made even simpler with the embedded artificial intelligence assistant that understands natural language.

Port Profiles
Enable user admins to easily create predefined rules or profiles, which can be applied to one or multiple ports simultaneously for faster and simpler configuration - reducing deployment time, increasing productivity, and enabling rapid network scaling. Port Profiles include security, authentication, power schedules, power allocation settings, and more.

Better together with Instant On
Instant On automatically detects and applies the highest (critical) PoE priority to Instant On access points for uninterrupted power delivery and wireless network access. Wired and wireless voice traffic is prioritized with high QoS priority end-to-end for optimal voice performance.

Automated Wired Client Classification
The cloud portal detects and classifies the type of devices connected to switches. The client devices can be classified by category, family, and OS. For example, a client can be classified as a computer, smart device, or VoIP; its family can be Windows, Linux®, or Apple Mac.

Site inventory and topology view
Shows all Instant On switches, access points and secure gateways on a single interface, and the topology view provides an intuitive visual representation of all Instant On devices connectivity in the network — allowing SMBs to identify devices and assist troubleshooting activities. Network issues can be easily diagnosed with features detailed in this document.

24 Hour Event Manager and Health monitor
The cloud portal network health dashboard makes the visibility of SMBs' present and past operational status immediate and intuitive. SMB operators can easily navigate to view details at a chosen timeframe to investigate administrative events, network disruptions, and disconnected clients.

Multi-site remote management
The cloud portal web interface and Mobile App facilitate the efficient remote management of multiple geographically distributed sites, making it ideal for businesses operating multiple branches such as stores with several point of sales in town. Each site is logically isolated and retains its own dedicated configuration, statistics, guest portal, and customizable user profiles. The platform allows the creation of up to 25 admin accounts per site with varying access permissions.

Two-Factor Authentication (2FA)
Two-Factor Authentication (2FA) provides an additional layer of authentication, prevents attackers from remotely accessing the network management plane, and secures sensitive customer information.

Built-in security
To help protect integrity of the management plane, the architecture enforces a rigorous, zero-trust security framework for all administrative and device interactions (2FA and embedded Trusted Platform Module in each Instant On 1940 switch).

No hidden fees
All the local and cloud management of switch features are included in the price of the hardware — there are no recurring subscriptions or licensing fees.

Physical Layer Connectivity

SFP and SFP+ fiber connectivity
Provides fiber connections for 10G uplinks and other high-speed connections across longer distances than copper cabling can support. 1G SFP transceivers are also supported on all optical ports.

HPE Smart Rate Connectivity
RJ-45 copper ports designed for diverse workplace deployments – eliminates network bottlenecks by enabling high-bandwidth devices and applications connectivity at the highest possible, automatically negotiated speed supported by client, switch port and cable, from 10 Mbps up to 10 Gbps. These ports provide seamless, native support for legacy devices, high-performance workstations, and next-generation access points.isolated and retains its own dedicated configuration, statistics, guest portal, and customizable user profiles. The platform allows the creation of up to 25 admin accounts per site with varying access permissions.

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Port speed characteristics vary by model to optimize cost and performance:

— Standard Access: 10M / 100M / 1G

— Next-Gen HPE Smart Rate multi-Gigabit Access: 100M / 1G / 2.5G

— High-Performance HPE Smart Rate multi-Gigabit Access: 100M / 1G / 2.5G / 5G / 10G

Auto MDI/MDI-X
Adjusts automatically for straight-through or crossover cables on all 10/100/1000 ports.

Auto-negotiating capability
Supports half/full-duplex auto-negotiating capability on every port without the need to program the port anytime a new device is connected.

Advanced PoE Management

Ethernet Alliance Class 6 and Class 4 PoE Certification
Select HPE Networking Instant On 1940 models provide dedicated ports with up to 60W of Power over Ethernet (PoE) per port, which allows support of Class 6 PoE (IEEE 802.3bt) devices such as digital signage, advanced pan-tilt-zoom security cameras, and other IoT devices. In addition, some HPE Networking Instant On 1940 models support Class 4 PoE (IEEE 802.3at), delivering up to 30W PoE per port for devices like IP phones, access points, sensors, and door locks, as well as 15.4W for standard IEEE 802.3af devices.
The Ethernet Alliance (EA) PoE Certification of the HPE Networking Instant On 1940 gives users confidence that the switches will work together with IEEE 802.3™ PoE standard devices. The EA PoE Certification improves the user experience with faster time to productivity by minimizing interoperability issues.

Always-On PoE
Prevents downtime by providing continuous PoE power delivery to connected devices even during soft reboots, such as when new firmware is activated.

Quick PoE
Quick PoE delivers power to connected devices within a few seconds of when the switch receives AC power, allowing those devices to begin initializing in parallel with the switch's operating system.

Auto-PoE power configuration
The switch automatically assigns the required PoE power to a PD device based on Link Layer Discovery Protocol (LLDP).

PoE power allocation
The switch offers multiple PoE power management modes to optimize its overall PoE power budget (LLDP-MED automatic, class of PoE, or usage-based).

PoE scheduling
Allows administrator 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.).

Port scheduling
Allows administrator to configure up to four (4) schedules to enable or disable individual ports or PoE power delivery on certain switch ports by selecting a particular time of the day or a periodic occurrence.

PoE Threshold Alerts
The cloud portal alerts the administrator in case PoE capacity of a device is above 80%. The administrator can also be notified in case the PoE capacity is about to be exceeded, and a device is denied power.

PoE Power Consumption History Graph
The PoE power device dashboard monitors the PoE power consumption trends of powered devices over the last ten (10) days with timestamps of peak power consumption.

Layer 2 Switching

Flow control
With IEEE 802.3x flow control enabled, a slower switch can pause a faster switch to prevent buffer overload. The Instant On 1940 supports both symmetric and asymmetric flow control, allowing traffic to be paused or slowed more effectively when needed.

Spanning Tree Protocol (STP)
Supports standard IEEE 802.1D STP, IEEE 802.1w Rapid Spanning Tree Protocol (RSTP) for faster convergence, and IEEE 802.1s Multiple Spanning Tree Protocol (MSTP supported on local web only). Supports up to eight (8) instances of MSTP.

BPDU filtering
When BPDU Filtering is enabled on an interface where Spanning Tree Protocol (STP) is disabled, it blocks the port from sending or receiving BPDUs, to avoid any unexpected Spanning Tree modifications.

Loop protection
Allows loop detection in the network for switches that do not run spanning tree, or on which STP feature is disabled.

IGMP snooping
IGMP snooping allows the switch to forward IPv4 multicast traffic intelligently. With IGMP snooping enabled, the switch forwards traffic only to ports that request the multicast traffic. This prevents the switch from broadcasting traffic to all ports which affects network performance. Instant On 1940 supports IGMP v1, v2, v3 protocols.

Link aggregation
Create high bandwidth connections to reduce network bottlenecks using Link Aggregation Control Protocol (LACP) or static configuration up to 16 link aggregation groups (LAGs) with up to eight (8) ports each depending on models.

Link Layer Discovery Protocol (LLDP)
Advertises and receives management information from adjacent devices on a network, facilitating easy mapping by network management applications.

Media Endpoint Discovery (LLDP-MED)
Defines a standard extension of LLDP that stores values for parameters such as QoS and VLAN for automatic configuration of network devices such as IP phones.

VLAN support
Offers some of the benefits of both bridging and routing. VLANs partition the network into logical segments, which provides better administration, security, and multicast traffic management.

Port mirroring and Remote Switched Port Analyzer (RSPAN)
Port Mirroring feature creates a copy of the traffic that the source interface handles and sends it to a probe port (also known as destination port). Multiple switch ports can be configured as source interfaces, with each port mirrored to the same diagnostic port.

Auto recovery
Automatically brings a port or service back online after it has been shut down due to an error condition.

Auto VLAN
Allows automatic detection of any connected access point or security cameras, then placed into pre-defined VLANs with high-priority QoS.

Jumbo frame support
Supports up to 9216 bytes frame size to improve the performance of large data transfers.

Layer 3 Routing

Static IPv4 routing
Supports up to 32 IPv4 routing interfaces, and up to 32 IPv4 static routes. Manual or DHCP IP address assignments can be configured to an individual port or VLAN.

Address Resolution Protocol (ARP)
The Address Resolution Protocol (ARP) associates a layer 2 MAC address with a layer 3 IPv4 address. Both dynamic and manual ARP entries are supported.

Security

Network Access Control

TPM-based security
Includes a Trusted Platform Module (TPM 2.0) to provide a tamper-resistant, hardware-based root of trust. Generating, storing, and isolating cryptographic keys directly in secure silicon rather than software, Instant On switches support authenticated communications with the Instant On Cloud Portal and prevent software-based spoofing, credential theft, and unauthorized device impersonation.

AAA-based Authentication and Accounting
Provides AAA based controls for viewing and configuring authentication lists used for both switch management access and client network access. Each authentication list defines the sequence of methods – RADIUS, TACACS+, or the local database – used to validate user credentials.

RADIUS
Remote Authentication Dial-In User Service (RADIUS) servers provide additional security for networks. The Instant On 1940 includes a RADIUS client that can contact one or more RADIUS servers for various Authentication and Accounting (AAA) services. The switch can connect to up to two (2) RADIUS servers.

RADIUS-assigned VLANs – Dynamic VLAN Creation
Automatically assigns users to the appropriate VLAN based on their identity and location. If desired, the switch can be configured to enable dynamic creation of a VLAN, if the VLAN does not already exist.

RADIUS accounting
Logs user session activity so administrators can track usage, troubleshoot issues, and maintain security visibility.

TACACS+
Provides access control for networked devices via one or more centralized servers. Like RADIUS, this protocol simplifies authentication by making use of a single database that can be shared by many clients on the network.

Manager Access List
Ensures that only known and trusted devices are allowed to remotely manage the switch. The administrator may elect to configure a management access control list. The Management ACL allows configuration of rules, services and profiles to manage the switch management access via TCP/IP.

Source Interface Configuration
Provides an option for the user to select any configured IP interfaces for management traffic, to direct management traffic to/from the switch on an IP interface. TACACS+, RADIUS, SNMP, NTP and Remote SYSLOG support use of this feature.

Access Control Lists & Threat Prevention

Access Control Lists (ACLs)
Enables network traffic filtering by creating an ACL, adds rules and match criteria to an ACL, and applies the ACL to one or more interfaces or a VLAN. Supports ingress/egress IPv4 and/or MAC ACLs with up to 2048 ACEs depending on the switch model.

Port access control
Authentication of network users via IEEE 802.1X or MAC-Auth on a per-port basis prior to permitting network access. Port authentication includes RADIUS assigned VLAN and dynamic VLAN creation.

Port security
Allows administrator to limit the number of MAC addresses or configure specific MAC addresses that can be learned on a port. If the configured limit is reached, any other addresses beyond that limit are not learned, and the frames are discarded, preventing unknown devices from forwarding packets into the network.

Local MAC-Auth
Allows a network device to authenticate clients based on their MAC address before granting network access, via a user-defined list. This method is commonly used for devices that cannot support 802.1X authentication, such as IP phones, or legacy devices.

Protected ports
Provides additional internal network segmentation and isolation capabilities by preventing unnecessary device-to-device communication within the network. Protected Ports (Secure Isolation) and Unprotected Ports (Trusted Access) can be used for this purpose.

Spoofing Mitigation & Traffic Safeguards

Automatic Denial of Service (DoS) protection
Automatic DoS protection is a network security feature is designed to detect and block traffic patterns that look like a DoS or Dynamic DoS (DDoS) attack without requiring manual intervention.

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

DHCP snooping
DHCP snooping acts like a firewall between untrusted hosts and DHCP servers. DHCP snooping differentiates between untrusted interfaces connected to the end user and trusted interfaces connected to the DHCP server or another switch.

IP Source Guard
IP Source Guard utilizes the DHCP snooping database to deny network access from untrusted sources.

ARP attack prevention
Intercept, log and discard ARP packets with invalid IP-to-MAC address bindings, helping mitigate risks associated with certain man-in-the-middle techniques.

Link flap prevention
Minimizes network disruption and instability by automatically detecting and disabling ports that experience link flap events – a link flap event happens when a port repeatedly switches between link up and link down.

Uni-Directional Link Detection (UDLD)

Allows detection of unidirectional traffic from connected devices when bi-directional traffic is expected.

Quality of Service (QoS)

Class of Service (CoS)
Allows direct configuration of certain aspects of switch queueing. This provides the desired QoS behavior for different types of network traffic.

Queue Scheduling
Allows administrator to configure parameters for the amount of bandwidth used by the queue, the queue, the queue depth during times of congestion, and the scheduling of packet transmission. Queue Scheduler types supported are weighted round robin (WRR) or strict priority queuing (SP).

Traffic prioritization
Prioritizes time sensitive traffic such as VoIP and video based on DSCP or IEEE 802.1p markings, ensuring these packets receive higher forwarding precedence. Administrators may also remap priorities to elevate selected traffic into higher priority queues.

Traffic shaping
Sets the limit on how much traffic can leave a port. The limit on maximum transmission bandwidth has the effect of smoothing temporary traffic bursts over time so that the transmitted traffic rate is bound to the interface.

Rate limiting
Configure interface thresholds to limit broadcast, multicast, or unicast traffic based on bandwidth utilization or packet/frame rates. When these thresholds are exceeded, the switch can be programmed to shut down the port or generate an SNMP trap notification.

Global Trust Mode
Define which traffic markings the switch trusts for QoS classification (IEEE 802.1p, DSCP, or Untrusted), ensuring predictable and secure handling of prioritized traffic.

Auto-voice VLAN
Simplify VoIP deployment by OUI or detecting voice protocols (SIP, H.323, SCCP) and assigning the associated ports to a dedicated voice VLAN with the appropriate CoS priority.

Performance and efficiency

Energy Efficient Ethernet (EEE)
Energy Efficient Ethernet (EEE) is an IEEE 802.3az standard that lowers power usage on Ethernet interfaces by placing the link into a low power idle state when traffic is minimal, then rapidly returning to full operation when needed.

Auto-port shutdown
When enabled, the port enters a low power state whenever the link is down and automatically reactivates upon detecting link activity. This reduces power consumption when no link partner is present, allowing the switch to conserve energy by disabling inactive ports.

Energy savings status
When Energy Efficient Ethernet (EEE) is enabled, the EEE status display provides estimated power and energy savings and real time power consumption information.

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

LED Quiet Mode
LED Quiet Mode suppresses LED activity to reduce visual distraction and unwanted illumination in user environments. It also supports scheduled operation and contributes to more sustainable switch performance.

Fan-less operation

The fan-less architecture of the 8-port model delivers completely silent operation, making the units suitable for noise-sensitive workplace environments.

Diagnostics

System Health dashboard
Monitors and reports the switch's temperature and fan status, generating syslog alerts when a fan malfunction occurs or when operating temperatures exceed recommended thresholds. This ensures administrators are promptly informed of conditions that could impact system reliability.

System Resource Usage
Displays real time CPU and memory utilization, along with total PoE power consumption for the switch, providing administrators with clear insight into system performance.

Top Events dashboard
Accessible throughout the local Web UI, the Top Events dashboard provides at a glance visibility into critical switch events and offers quick access to the most recent syslog notifications.

Buffered log
The switch maintains a buffered log containing timestamped records of operational events, configuration changes, system warnings, and error conditions, providing the administrator with essential data for monitoring, auditing, and troubleshooting.

Remote syslog
Allows the administrator to view system events, alerts, and diagnostic messages from the switch on a centralized syslog server using the Syslog protocol.

When the switch is managed through the cloud portal, it uses its own integrated event logging mechanism instead of remote syslog.

Cable Test
Provides a mechanism for the administrator to detect and report potential cabling faults – such as opens or shorts – on copper connections and identifies the distance to the fault as well as the total cable length.

Ping IPv4 and IPv6
The switch supports ICMP echo requests (ping) using IPv4 or IPv6, enabling the administrator to verify network reachability, measure response time, and detect packet loss between devices.

Traceroute IPv4 and IPv6
Identifies the sequence of routers (hops) a packet traverses using IPv4 or IPv6 and measures the response time at each hop. Traceroute enables administrators to visualize the packet's path through the network and pinpoint where disruptions or performance issues occur.

Support file
Provides summary information in the local Web UI, including the current configuration, key statistics, and buffered log messages. A downloadable show tech file is also available for deeper diagnostics and advanced troubleshooting.

Remote monitoring (RMON)
Provides advanced monitoring and reporting for statistics, historical data, alarms, and events viewable in the local Web UI. RMON information can also be retrieved by a network management platform over SNMP for centralized analysis.

IP Address Conflict
Identify whether the device's configured IP address is duplicated by another device on the same LAN, helping administrators quickly detect and resolve conflicts.

IPv4 Device Tracking
Enables administrators to track IPv4 hosts connected to the switch's physical and logical interfaces, providing detailed information such as IP address, MAC address, VLAN, and interface.

Email Alerts
Enables administrators to automatically forward critical syslog events to one or more designated email recipients, ensuring timely awareness and rapid response to important system conditions.

Management

Localized & Device Level Management Tools

Simple local web GUI management
For management of individual switches, the intuitive Web GUI makes management simple, even for non-technical users. Supports up to five (5) HTTP and HTTP Secure (HTTPS) sessions.

Secure web-management sessions
Protects management sessions with HTTP Secure (HTTPS) encryption, preventing snooping of sensitive management information. Whether managed via local web GUI, or via the cloud, data between the switch and the management interface is encrypted using supported security protocols.

Secure Socket Layer (SSL)
Encrypts all HTTP traffic and secures access to the local browser-based management of the switch. SSL is a security protocol that encrypts and authenticates communication between devices, ensuring privacy and integrity online.

User account management
Password strength and aging checks provide enhanced security to user account administration to the local web management interface. Additionally, user account authentication can be done via RADIUS to access the web-interface.

Direct Ops Commands (DOCs)
DOCs allow SMB administrators basic setup, configuration, and troubleshooting for a faster start through the USB-C console port or remotely via Telnet/SSH.

Getting Started, VLAN and ACL Wizards
The Getting Started Wizard streamlines initial provisioning by assisting with configuring IP addressing, device identification, and NTP time. The VLAN Wizard simplifies segmentation by creating VLAN IDs, assigning port membership, and mapping VLANs to interfaces. The ACL Wizard offers a guided, policy driven interface for defining IPv4 and MAC access rules, simplifying ACL setup. Together, these wizards accelerate deployments, reduce configuration errors, and establish a consistent, secure network baseline.

IPv6 host
Enables switches to be managed and deployed using the IPv6 protocol.

Configuration, Scripting & Firmware Operations

Dual image support
The switch can store up to two software images. One image is the active image and the other is the backup image (not actively running on the switch). The administrator can select which image to load during the next boot cycle and add a description for each image on the switch.

Firmware update
Local web administrators can download firmware updates, which can include bug fixes and security patches, via the HPE Network Support Portal (NSP).

Instant On Provisioning
Instant On Provisioning feature can automatically obtain configuration information and install a new image when the switch boots. When enabled, the Instant On Provisioning feature allows the device to obtain an IP address from a network DHCP server and then attempts to locate the predefined configuration file from a TFTP server.

Configuration file management
The switch stores startup, running, and backup configuration files. Using the configuration file management feature, the local web administrator can copy the information contained in one configuration file to another configuration file on the switch.

Script File
Allows administrators to save and edit switch configuration files in a standard text format, streamlining the update process and simplifying deployment across multiple switches in the network.

Schedule configuration
Global schedule feature allows the administrator to configure up to four (4) absolute, or periodic schedules. Schedules can be applied to port admin mode, time-based ACLs, PoE power delivery, or LED Quiet Mode.

Secure File Transfer

Supports different mechanisms for secure file transfer, such as SFTP, SCP, and HTTPS protocols.

Core Management Infrastructure Protocols

DHCP client mode (Default setting)
Allows the switch to be directly connected to a network, enabling plug-and-play operation. In the absence of a DHCP server on the network, the switch reverts to the default static IP address.

SNMPv1, v2c, and v3
Facilitates secure remote management of the switch, as the device can be discovered and monitored from an SNMP management station. In addition, the switch supports up to 6 (six) IPv4 or IPv6 trap receivers.

While managing the network from the Instant On Cloud Portal, SNMPv2 read-only access can be enabled on the 1940 Series, providing the capability of industry standard Management Information Base (MIB) and private extensions.

Network Time Protocol (NTP)

Ensures the switch maintains a precise, linear timeline. Multiple-source time checks and statistical algorithms ensure an accurate switch clock time synchronization essential for modern enterprise applications.

Management VLAN ID
Configurable management VLAN provides secure management access to the switch for administrators within the specified VLAN.

Locator LED
Makes troubleshooting easier by allowing administrators to activate a switch's front panel "UID" LED, causing it to blink, so the user can quickly identify the correct device in a rack of similar switches.

Comprehensive LED display
The switch front panel provides an at-a-glance view of the port status, activity, speed, and full-duplex operation. In addition, the administrator can view the PoE port or Cloud connectivity status by toggling the external mode button.

Warranty and support

Instant On Limited Lifetime Support provides 24X7 phone support for the first 90 days and chat support for the entire warranty period. Next Business Day hardware replacement is also included for the first 30 days. Upgrade to unlimited phone and chat support with our optional Foundation Care.

The Instant On community is also a resource to use for public crowd-sourced support or configuration questions.

Refer to the EoS Policy for more details on EoS terms and conditions.

Refer to the Hewlett Packard Enterprise website at 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.

Technical specifications

	HPE Networking Instant On Switch 8p Gigabit CL6 PoE 2p SFP 124W 1940	HPE Networking Instant On Switch 24p Gigabit 4p SFP+ 1940	HPE Networking Instant On Switch 24p Gigabit CL4 PoE 4p SFP+ 240W 1940	HPE Networking Instant On Switch 20p Gigabit CL4 4p SR2.5G CL6 PoE 4p SFP+ 370W 1940
	S4A29A	S4A30A	S4A31A	S4A32A
I/O ports and slots				
Ports	8 RJ-45 autosensing 10/100/1000BASE-T ports with IEEE 802.3af/at/bt Class 6 PoE (ports 1-8) (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	24 RJ-45 autosensing 10/100/1000BASE-T ports (ports 1-24) (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	24 RJ-45 autosensing 10/100/1000BASE-T ports with IEEE 802.3af/at Class 4 PoE (ports 1-24) (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	4 RJ-45 autosensing 100M/1G/2.5GBASE-T ports with IEEE 802.3af/at/bt Class 6 PoE (ports 1-4) 20 RJ-45 autosensing 10/100/1000BASE-T ports with IEEE 802.3af/at Class 4 PoE (ports 5-24) (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T, IEEE 802.3bz Type 2500BASE-T) Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T/2500BASE-T: full only
Uplink	2x SFP 1GbE ports (ports 9-10)	4x SFP+ 1/10GbE ports (ports 25-28)	4x SFP+ 1/10GbE ports (ports 25-28)	4x SFP+ 1/10GbE ports (ports 25-28)
Console port	1x USB-C Console Port	1x USB-C Console Port	1x USB-C Console Port	1x USB-C Console Port
Physical characteristics				
Dimensions (Depth x Width x Height)	11.65 x 11.61 x 1.73 in (29.60 x 29.50 x 4.40 cm)	12.09 x 17.48 x 1.73 in (30.70 x 44.40 x 4.40 cm)	12.09 x 17.48 x 1.73 in (30.70 x 44.40 x 4.40 cm)	14.44 x 17.48 x 1.73 in (36.70 x 44.40 x 4.40 cm)
Weight	4.80 lb (2.18 kg)	6.70 lb (3.04 kg)	8.02 lb (3.64 kg)	9.65 lb (4.38 kg)
Processor and memory				
Processor Type/ Frequency	ARM® Cortex-A9 @1.2GHz	ARM® Cortex-A9 @1.2GHz	ARM® Cortex-A9 @1.2GHz	ARM® Cortex-A9 @1.2GHz
SDRAM	1 GB	1 GB	1 GB	1 GB
Flash	512 MB	512 MB	512 MB	512 MB
Packet Buffer Size	0.5 MB	2 MB	2 MB	2 MB
Scale				
Jumbo frames support	Up to 9216 bytes	Up to 9216 bytes	Up to 9216 bytes	Up to 9216 bytes
Switching capacity	20 Gbps	128 Gbps	128Gbps	140 Gbps
MAC Address table size (# of entries)	16,000 entries	16,000 entries	16,000 entries	16,000 entries
Routing Table size (# of static entries)	32 IPv4	32 IPv4	32 IPv4	32 IPv4
Maximum VLAN supported	256	256	256	256
MAC Table Capacity	16K entries	16K entries	16K entries	16K entries
IPv4 Host Table (ARP)	509 entries	509 entries	509 entries	509 entries

Technical specifications

	HPE Networking Instant On Switch 8p Gigabit CL6 PoE 2p SFP 124W 1940	HPE Networking Instant On Switch 24p Gigabit 4p SFP+ 1940	HPE Networking Instant On Switch 24p Gigabit CL4 PoE 4p SFP+ 240W 1940	HPE Networking Instant On Switch 20p Gigabit CL4 4p SR2.5G CL6 PoE 4p SFP+ 370W 1940
	S4A29A	S4A30A	S4A31A	S4A32A
Scale				
IPv6 Host Table (ND)	n/a	n/a	n/a	n/a
IPv4 Unicast Static Routes	32	32	32	32
MAC Table Capacity	16K entries	16K entries	16K entries	16K entries
IGMP Groups	1K	1K	1K	1K
IPv4/MAC ACL Entries (ingress)	100	100	100	100
IPv4/MAC ACL Entries (egress)	unsupported	512	512	512
Maximum ACEs	2048	2048	2048	2048
Link aggregation groups (LAG)	8	16	16	16
LAG members	4	4	4	4
Latency				
100 Mb Latency (LIFO)	< 10.3 µSec	< 10.3 µSec	< 10.3 µSec	< 10.3 µSec
1000 Mb Latency (LIFO)	< 6.2 µSec	< 6.2 µSec	< 6.2 µSec	< 6.2 µSec
2500 Mb Latency (LIFO)	N/A	N/A	N/A	N/A
5000 Mb Latency (LIFO)	N/A	N/A	N/A	N/A
10000 Mb Latency (LIFO)	N/A	< 0.75 µSec	< 0.75 µSec	< 0.82 µSec
Throughput				
Throughput (Mpps) @ 64 bytes packet	14.88 Mpps	95 Mpps	95 Mpps	104 Mpps
Reliability				
Reliability MTBF (years)	99	178	102	67
Environment				
Operating temperature	32°F to 104°F (0°C to 40°C)	32°F to 104°F (0°C to 40°C)	32°F to 104°F (0°C to 40°C)	32°F to 104°F (0°C to 40°C)
Nonoperating/Storage temperature	-40°F to 158°F (-40°C to 70°C)	-40°F to 158°F (-40°C to 70°C)	-40°F to 158°F (-40°C to 70°C)	-40°F to 158°F (-40°C to 70°C)
Operating relative humidity	15% to 95% @ 104°F (40°C) non-condensing	15% to 95% @ 104°F (40°C) non-condensing	15% to 95% @ 104°F (40°C) non-condensing	15% to 95% @ 104°F (40°C) non-condensing
Nonoperating/Storage relative humidity	15% to 95% @ 140°F (60°C) non-condensing	15% to 95% @ 140°F (60°C) non-condensing	15% to 95% @ 140°F (60°C) non-condensing	15% to 95% @ 140°F (60°C) non-condensing
Altitude	up to 10,000 ft (3 km)	up to 10,000 ft (3 km)	up to 10,000 ft (3 km)	up to 10,000 ft (3 km)

Technical specifications

	HPE Networking Instant On Switch 8p Gigabit CL6 PoE 2p SFP 124W 1940	HPE Networking Instant On Switch 24p Gigabit 4p SFP+ 1940	HPE Networking Instant On Switch 24p Gigabit CL4 PoE 4p SFP+ 240W 1940	HPE Networking Instant On Switch 20p Gigabit CL4 4p SR2.5G CL6 PoE 4p SFP+ 370W 1940
	S4A29A	S4A30A	S4A31A	S4A32A
Acoustics				
Acoustics measured in 23°C semi-anechoic chamber with a loading of 100% traffic and 50% PoE on all ports. Measured in accordance with ISO 7779. Declared in accordance with ECMA-109:2010. Values presented are the Declared A-Weighted Sound Power Level (LWAd) and the mean Bystander A-Weighted Sound Pressure Level (LpAm)	N/A	Sound Pressure, LpAm (Bystander) = 20 dB	Sound Pressure, LpAm (Bystander) = 20 dB	Sound Pressure, LpAm (Bystander) = 20 dB
	N/A	Sound Power, LWAd = 3.4 Bel	Sound Power, LWAd = 3.5 Bel	Sound Power, LWAd = 3.4 Bel
Fans (i.e. Fan-less, Fixed, Modular, and if possible, number of fans)	Fan-less	Fixed Fans Fan Qty: 1 Non Field-Replaceable-Unit	Fixed Fans Fan Qty: 2 Non Field-Replaceable-Unit	Fixed Fans Fan Qty: 2 Non Field-Replaceable-Unit
Primary Airflow	N/A	left-to-right	left-to-right	left-to-right
Electrical Characteristics				
Frequency	50 Hz/60 Hz	50 Hz/60 Hz	50 Hz/60 Hz	50 Hz/60 Hz
AC voltage	100 - 127 VAC / 200 - 240 VAC	100 - 127 VAC / 200 - 240 VAC	100 - 127 VAC / 200 - 240 VAC	100 - 127 VAC / 200 - 240 VAC
Current	1.49/0.75 A	0.45/0.33 A	3.00/1.52 A	4.53/2.28 A
Maximum heat dissipation BTU/hr and kj/hr (100% traffic rate)	100-127V: 47.0 BTU/hr, 49.6 Kj/hr 200-220V: 44.5 BTU/hr, 46.9 Kj/hr	100-127V: 86.4 BTU/hr, 91.2 Kj/hr 200-220V: 88.2 BTU/hr, 93.1 Kj/hr	100-127V: 119.8 BTU/hr, 126.4 Kj/hr 200-220V: 118.6 BTU/hr, 125.1 Kj/hr	100-127V: 135.3 BTU/hr, 142.7 Kj/hr 200-220V: 134.5 BTU/hr, 141.9 Kj/hr
Maximum heat dissipation BTU/hr and kj/hr (100% traffic rate + 100% PoE)	100-127V: 508.4 BTU/hr, 536.4 Kj/hr 200-220V: 499.0 BTU/hr, 526.5 Kj/hr	N/A	100-127V: 1039.6 BTU/hr, 1096.8 Kj/hr 200-220V: 1021.7 BTU/hr, 1078.0 Kj/hr	100-127V: 1545.6 BTU/hr, 1630.7 Kj/hr 200-220V: 1524.3 BTU/hr, 1608.2 Kj/hr
Maximum heat dissipation BTU/hr and kj/hr (Idle)	100-127V: 35.0 BTU/hr, 36.9 Kj/hr 200-220V: 34.1 BTU/hr, 36.0 Kj/hr	100-127V: 40.4 BTU/hr, 42.6 Kj/hr 200-220V: 41.4 BTU/hr, 43.7 Kj/hr	100-127V: 61.3 BTU/hr, 64.7 Kj/hr 200-220V: 59.3 BTU/hr, 62.6 Kj/hr	100-127V: 62.8 BTU/hr, 66.3 Kj/hr 200-220V: 61.6 BTU/hr, 65.0 Kj/hr
Power consumption (100% traffic rate)	100-127V: 13.8W 200-220V: 13.1W	100-127V: 25.3W 200-220V: 25.9W	100-127V: 35.1W 200-220V: 34.7W	100-127V: 39.6W 200-220V: 39.4W

Technical specifications

	HPE Networking Instant On Switch 8p Gigabit CL6 PoE 2p SFP 124W 1940	HPE Networking Instant On Switch 24p Gigabit 4p SFP+ 1940	HPE Networking Instant On Switch 24p Gigabit CL4 PoE 4p SFP+ 240W 1940	HPE Networking Instant On Switch 20p Gigabit CL4 4p SR2.5G CL6 PoE 4p SFP+ 370W 1940
	S4A29A	S4A30A	S4A31A	S4A32A
Electrical Characteristics				
Power consumption (100% traffic rate + 100% PoE)	100-127V: 149.0W 200-220V: 146.3W	N/A	100-127V: 304.7W 200-220V: 299.4W	100-127V: 453.0W 200-220V: 446.7W
Power consumption (Idle)	100-127V: 10.2W 200-220V: 10.0W	100-127V: 11.8W 200-220V: 12.1W	100-127V: 18.0W 200-220V: 17.4W	100-127V: 18.4W 200-220V: 18.1W
PoE power	124W Class 6 PoE	N/A	240W Class 4 PoE	370W Class 4/Class 6 PoE (Class 6 PoE on 2.5G Ports)
Power Supply Type	Internal Power Supply	Internal Power Supply	Internal Power Supply	Internal Power Supply
Safety				
Compliance	EN/IEC 62368-1, 2nd. & 3rd. Ed. UL 62368-1, 3rd.Ed. CAN/CSA C22.2 No. 62368-1, 3rd. Ed. EN/IEC 60825-1:2014 Class 1	EN/IEC 62368-1, 2nd. & 3rd. Ed. UL 62368-1, 3rd.Ed. CAN/CSA C22.2 No. 62368-1, 3rd. Ed. EN/IEC 60825-1:2014 Class 1	EN/IEC 62368-1, 2nd. & 3rd. Ed. UL 62368-1, 3rd.Ed. CAN/CSA C22.2 No. 62368-1, 3rd. Ed. EN/IEC 60825-1:2014 Class 1	EN/IEC 62368-1, 2nd. & 3rd. Ed. UL 62368-1, 3rd.Ed. CAN/CSA C22.2 No. 62368-1, 3rd. Ed. EN/IEC 60825-1:2014 Class 1
Emissions				
Compliance	EN 55032:2015/ CISPR 32, Class A FCC CFR 47 Part 15: 2018, Class A ICES-003, Class A VCCI-32, Class A CNS 13438, Class A KS C 9832, Class A AS/NZS CISPR 32, Class A	EN 55032:2015/ CISPR 32, Class A FCC CFR 47 Part 15: 2018, Class A ICES-003, Class A VCCI-32, Class A CNS 13438, Class A KS C 9832, Class A AS/NZS CISPR 32, Class A	EN 55032:2015/ CISPR 32, Class A FCC CFR 47 Part 15: 2018, Class A ICES-003, Class A VCCI-32, Class A CNS 13438, Class A KS C 9832, Class A AS/NZS CISPR 32, Class A	EN 55032:2015/ CISPR 32, Class A FCC CFR 47 Part 15: 2018, Class A ICES-003, Class A VCCI-32, Class A CNS 13438, Class A KS C 9832, Class A AS/NZS CISPR 32, Class A
Immunity				
Generic	BS/EN 55035, CISPR 35, KS C 9835	BS/EN 55035, CISPR 35, KS C 9835	BS/EN 55035, CISPR 35, KS C 9835	BS/EN 55035, CISPR 35, KS C 9835
EN	EN 55035, CISPR 35	EN 55035, CISPR 35	EN 55035, CISPR 35	EN 55035, CISPR 35
ESD	IEC 61000-4-2	IEC 61000-4-2	IEC 61000-4-2	IEC 61000-4-2
Radiated	IEC 61000-4-3	IEC 61000-4-3	IEC 61000-4-3	IEC 61000-4-3

	HPE Networking Instant On Switch 8p Gigabit CL6 PoE 2p SFP 124W 1940	HPE Networking Instant On Switch 24p Gigabit 4p SFP+ 1940	HPE Networking Instant On Switch 24p Gigabit CL4 PoE 4p SFP+ 240W 1940	HPE Networking Instant On Switch 20p Gigabit CL4 4p SR2.5G CL6 PoE 4p SFP+ 370W 1940
	S4A29A	S4A30A	S4A31A	S4A32A
Immunity				
EFT/Burst	IEC 61000-4-4	IEC 61000-4-4	IEC 61000-4-4	IEC 61000-4-4
Surge	IEC 61000-4-5	IEC 61000-4-5	IEC 61000-4-5	IEC 61000-4-5
Conducted	IEC 61000-4-6	IEC 61000-4-6	IEC 61000-4-6	IEC 61000-4-6
Power frequency magnetic field	IEC 61000-4-8	IEC 61000-4-8	IEC 61000-4-8	IEC 61000-4-8
Voltage dips and interruptions	IEC 61000-4-11	IEC 61000-4-11	IEC 61000-4-11	IEC 61000-4-11
Harmonics	EN 61000-3-2, IEC 61000-3-2	EN 61000-3-2, IEC 61000-3-2	EN 61000-3-2, IEC 61000-3-2	EN 61000-3-2, IEC 61000-3-2
Flicker	EN 61000-3-3, IEC 61000-3-3	EN 61000-3-3, IEC 61000-3-3	EN 61000-3-3, IEC 61000-3-3	EN 61000-3-3, IEC 61000-3-3
Device Management				
Options	Instant On Cloud Portal; Mobile App; Web Browser; SNMP Manager; DOCs (Telnet, SSH) Console Port (USB-C)	Instant On Cloud Portal; Mobile App; Web Browser; SNMP Manager; DOCs (Telnet, SSH) Console Port (USB-C)	Instant On Cloud Portal; Mobile App; Web Browser; SNMP Manager; DOCs (Telnet, SSH) Console Port (USB-C)	Instant On Cloud Portal; Mobile App; Web Browser; SNMP Manager; DOCs (Telnet, SSH) Console Port (USB-C)
Mounting Kit				
Options	Mounts in an EIA standard 19 in. telco rack or equipment cabinet. 2-post rack kit included Supports table-top mounting Supports rack-mounting, using the brackets provided Supports wall-mounting, using the brackets provided, with ports facing either up or down Supports under-table, using the brackets provided, with top-surface facing upward or downward	Mounts in an EIA standard 19 in. telco rack or equipment cabinet. 2-post rack kit included Supports table-top mounting Supports rack-mounting, using the brackets provided Supports wall-mounting, using the brackets provided, with ports facing either up or down Supports under-table, using the brackets provided, with top-surface facing upward or downward	Mounts in an EIA standard 19 in. telco rack or equipment cabinet. 2-post rack kit included Supports table-top mounting Supports rack-mounting, using the brackets provided Supports wall-mounting, using the brackets provided, with ports facing either up or down Supports under-table, using the brackets provided, with top-surface facing upward or downward	Mounts in an EIA standard 19 in. telco rack or equipment cabinet. 2-post rack kit included Supports table-top mounting Supports rack-mounting, using the brackets provided Supports wall-mounting, using the brackets provided, with ports facing either up or down Supports under-table, using the brackets provided, with top-surface facing upward or downward
Transceivers				
Options	Refer to SFP supported list table	Refer to SFP/SFP+ supported list table	Refer to SFP/SFP+ supported list table	Refer to SFP/SFP+ supported list table

Technical specifications

	HPE Networking Instant On Switch 48p Gigabit 4p SFP+ 1940	HPE Networking Instant On Switch 48p Gigabit CL4 PoE 4p SFP+ 370W 1940	HPE Networking Instant On Switch 40p Gigabit CL4 8p SR2.5G CL6 PoE 4p SFP+ 600W 1940	HPE Networking Instant On Switch 8p SR10 4p CL6 PoE 2p SFP+ 120W 1940
	S4A33A	S4A34A	S4A35A	S4A36A
I/O ports and slots				
Ports	48 RJ-45 autosensing 10/100/1000BASE-T ports (ports 1-48) (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	48 RJ-45 autosensing 10/100/1000BASE-T ports with IEEE 802.3af/at Class 4 PoE (ports 1-48) (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	8 RJ-45 autosensing 100M/1G/2.5GBASE-T ports with IEEE 802.3af/at/bt Class 6 PoE (ports 1-8) 40 RJ-45 autosensing 10/100/1000BASE-T ports with IEEE 802.3af/at Class 4 PoE (ports 9-48) (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T, IEEE 802.3bz Type 2500BASE-T) Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T/2500BASE-T: full only	4 RJ-45 autosensing 100M/1G/2.5G/5G/10GBASE-T ports with IEEE 802.3af/at/bt Class 6 PoE (ports 1-4) 4 RJ-45 autosensing 100M/1G/2.5G/5G/10GBASE-T ports (ports 5-8) (IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T, IEEE 802.3bz Type 2500BASE-T, IEEE 802.3bz Type 5000BASE-T, IEEE 802.3an Type 10000BASE-T) Duplex: 100BASE-TX: half or full; 1000BASE-T/2500BASE-T/5000BASE-T/10GBASE-T: full only
Uplink	4x SFP+ 1/10GbE ports (ports 49-52)	4x SFP+ 1/10GbE ports (ports 49-52)	4x SFP+ 1/10GbE ports (ports 49-52)	2x SFP+ 1/10GbE ports (ports 9-10)
Console port	1x USB-C Console Port	1x USB-C Console Port	1x USB-C Console Port	1x USB-C Console Port
Physical characteristics				
Dimensions (Depth x Width x Height)	14.44 x 17.48 x 1.73 in (36.70 x 44.40 x 4.40 cm)	14.44 x 17.48 x 1.73 in (36.70 x 44.40 x 4.40 cm)	14.44 x 17.48 x 1.73 in (36.70 x 44.40 x 4.40 cm)	11.65 x 11.61 x 1.73 in (29.60 x 29.50 x 4.40 cm)
Weight	8.31 lb (3.77 kg)	10.69 lb (4.85 kg)	10.76 lb (4.88 kg)	5.45 lb (2.47 kg)
Processor and memory				
Processor Type/ Frequency	ARM® Cortex-A9 @ 1.25 GHz	ARM® Cortex-A9 @ 1.25 GHz	ARM® Cortex-A9 @ 1.25 GHz	ARM® Cortex-A9 @ 1.25 GHz
SDRAM	1 GB	1 GB	1 GB	1 GB
Flash	512 MB	512 MB	512 MB	512 MB
Packet Buffer Size	4 MB	4 MB	4 MB	2 MB
Scale				
Jumbo frames support	Up to 9216 bytes	Up to 9216 bytes	Up to 9216 bytes	Up to 9216 bytes
Switching capacity	176 Gbps	176 Gbps	200 Gbps	200 Gbps
MAC Address table size (# of entries)	16,000 entries	16,000 entries	16,000 entries	16,000 entries
Routing Table size (# of static entries)	32 IPv4	32 IPv4	32 IPv4	32 IPv4
Maximum VLAN supported	256	256	256	256
MAC Table Capacity	509 entries	509 entries	509 entries	509 entries
IPv4 Host Table (ARP)	509 entries	509 entries	509 entries	509 entries

Technical specifications

	HPE Networking Instant On Switch 8p Gigabit CL6 PoE 2p SFP 124W 1940	HPE Networking Instant On Switch 24p Gigabit 4p SFP+ 1940	HPE Networking Instant On Switch 24p Gigabit CL4 PoE 4p SFP+ 240W 1940	HPE Networking Instant On Switch 20p Gigabit CL4 4p SR2.5G CL6 PoE 4p SFP+ 370W 1940
	S4A29A	S4A30A	S4A31A	S4A32A
Scale				
IPv6 Host Table (ND)	n/a	n/a	n/a	n/a
IPv4 Unicast Static Routes	32	32	32	32
MAC Table Capacity	16K entries	16K entries	16K entries	16K entries
IGMP Groups	1k	1k	1k	1K
IPv4/MAC ACL Entries (ingress)	100	100	100	100
IPv4/MAC ACL Entries (egress)	512	512	512	512
Maximum ACEs	2048	2048	2048	2048
Link aggregation groups (LAG)	16	16	16	8
LAG members	8	8	8	4
Latency				
100 Mb Latency (LIFO)	< 6.5 µSec	< 6.5 µSec	< 6.5 µSec	< 5.3 µSec
1000 Mb Latency (LIFO)	< 2.7 µSec	< 2.7 µSec	< 2.7 µSec	< 2.1 µSec
2500 Mb Latency (LIFO)	N/A	N/A	< 5.4 µSec	< 5.4 µSec
5000 Mb Latency (LIFO)	N/A	N/A	N/A	< 3.0 µSec
10000 Mb Latency (LIFO)	< 0.75 µSec	< 0.75 µSec	< 0.75 µSec	< 0.86 µSec
Throughput				
Throughput (Mpps) @ 64 bytes packet	131 Mpps	131 Mpps	148.8 Mpps	148.8 Mpps
Reliability				
Reliability MTBF (years)	163	108	65	64
Environment				
Operating temperature	32°F to 104°F (0°C to 40°C)	32°F to 104°F (0°C to 40°C)	32°F to 104°F (0°C to 40°C)	32°F to 104°F (0°C to 40°C)
Nonoperating/Storage temperature	-40°F to 158°F (-40°C to 70°C)	-40°F to 158°F (-40°C to 70°C)	-40°F to 158°F (-40°C to 70°C)	-40°F to 158°F (-40°C to 70°C)
Operating relative humidity	15% to 95% @ 104°F (40°C) non-condensing	15% to 95% @ 104°F (40°C) non-condensing	15% to 95% @ 104°F (40°C) non-condensing	15% to 95% @ 104°F (40°C) non-condensing
Nonoperating/Storage relative humidity	15% to 95% @ 140°F (60°C) non-condensing	15% to 95% @ 140°F (60°C) non-condensing	15% to 95% @ 140°F (60°C) non-condensing	15% to 95% @ 140°F (60°C) non-condensing
Altitude	up to 10,000 ft (3 km)	up to 10,000 ft (3 km)	up to 10,000 ft (3 km)	up to 10,000 ft (3 km)

Technical specifications

	HPE Networking Instant On Switch 8p Gigabit CL6 PoE 2p SFP 124W 1940	HPE Networking Instant On Switch 24p Gigabit 4p SFP+ 1940	HPE Networking Instant On Switch 24p Gigabit CL4 PoE 4p SFP+ 240W 1940	HPE Networking Instant On Switch 20p Gigabit CL4 4p SR2.5G CL6 PoE 4p SFP+ 370W 1940
	S4A29A	S4A30A	S4A31A	S4A32A
Acoustics				
Acoustics measured in 23°C semi-anechoic chamber with a loading of 100% traffic and 50% PoE on all ports. Measured in accordance with ISO 7779. Declared in accordance with ECMA-109:2010. Values presented are the Declared A-Weighted Sound Power Level (LWAd) and the mean Bystander A-Weighted Sound Pressure Level (LpAm)	Sound Pressure, LpAm (Bystander) = 25 dB	Sound Pressure, LpAm (Bystander) = 20 dB	Sound Pressure, LpAm (Bystander) = 23 dB	Sound Pressure, LpAm (Bystander) = 22 dB
	Sound Power, LWAd = 3.9 Bel	Sound Power, LWAd = 3.4 Bel	Sound Power, LWAd = 3.8 Bel	Sound Power, LWAd = 3.6 Bel
Fans (i.e. Fan-less, Fixed, Modular, and if possible, number of fans)	Fixed Fans Fan Qty: 1 Non Field-Replaceable-Unit	Fixed Fans Fan Qty: 3 Non Field-Replaceable-Unit	Fixed Fans Fan Qty: 3 Non Field-Replaceable-Unit	Fixed Fans Fan Qty: 1 Non Field-Replaceable-Unit
Primary Airflow	left-to-right	left-to-right	left-to-right	left-to-right
Electrical Characteristics				
Frequency	50 Hz/60 Hz	50 Hz/60 Hz	50 Hz/60 Hz	50 Hz/60 Hz
AC voltage	100 - 127 VAC / 200 - 240 VAC	100 - 127 VAC / 200 - 240 VAC	100 - 127 VAC / 200 - 240 VAC	100 - 127 VAC / 200 - 240 VAC
Current	0.71/0.46 A	4.70/2.36 A	7.26/3.51 A	1.66/0.86 A
Maximum heat dissipation BTU/hr and kj/hr (100% traffic rate)	100-127V: 132.3 BTU/hr, 139.6 Kj/hr 200-220V: 131.2 BTU/hr, 138.4 Kj/hr	100-127V: 189.7 BTU/hr, 200.1 Kj/hr 200-220V: 185.7 BTU/hr, 195.9 Kj/hr	100-127V: 208.1 BTU/hr, 219.6 Kj/hr 200-220V: 206.8 BTU/hr, 218.2 Kj/hr	100-127V: 112.6 BTU/hr, 118.8 Kj/hr 200-220V: 107.4 BTU/hr, 113.3 Kj/hr
Maximum heat dissipation BTU/hr and kj/hr (100% traffic rate + 100% PoE)	N/A	100-127V: 1590.3 BTU/hr, 1677.9 Kj/hr 200-220V: 1544.2 BTU/hr, 1629.2 Kj/hr	100-127V: 2477.1 BTU/hr, 2613.5 Kj/hr 200-220V: 2383.6 BTU/hr, 2514.8 Kj/hr	100-127V: 566.4 BTU/hr, 597.6 Kj/hr 200-220V: 555.2 BTU/hr, 585.8 Kj/hr
Maximum heat dissipation BTU/hr and kj/hr (Idle)	100-127V: 68.6 BTU/hr, 72.4 Kj/hr 200-220V: 68.0 BTU/hr, 71.7 Kj/hr	100-127V: 90.0 BTU/hr, 95.0 Kj/hr 200-220V: 88.0 BTU/hr, 92.8 Kj/hr	100-127V: 89.6 BTU/hr, 94.5 Kj/hr 200-220V: 89.4 BTU/hr, 94.3 Kj/hr	100-127V: 56.7 BTU/hr, 59.8 Kj/hr 200-220V: 53.1 BTU/hr, 56.0 Kj/hr
Power consumption (100% traffic rate)	100-127V: 38.8 W 200-220V: 38.5 W	100-127V: 55.6W 200-220V: 54.4W	100-127V: 61.0W 200-220V: 60.6W	100-127V: 33.0W 200-220V: 31.5W

Technical specifications

	HPE Networking Instant On Switch 8p Gigabit CL6 PoE 2p SFP 124W 1940	HPE Networking Instant On Switch 24p Gigabit 4p SFP+ 1940	HPE Networking Instant On Switch 24p Gigabit CL4 PoE 4p SFP+ 240W 1940	HPE Networking Instant On Switch 20p Gigabit CL4 4p SR2.5G CL6 PoE 4p SFP+ 370W 1940
	S4A29A	S4A30A	S4A31A	S4A32A
Electrical Characteristics				
Power consumption (100% traffic rate + 100% PoE)	N/A	100-127V: 466.1W 200-220V: 452.6W	100-127V: 726W 200-220V: 698.6W	100-127V: 166.0W 200-220V: 162.7W
Power consumption (Idle)	100-127V: 20.1W 200-220V: 19.9W	100-127V: 26.4W 200-220V: 25.8W	100-127V: 26.2W 200-220V: 26.2W	100-127V: 16.6W 200-220V: 15.6W
PoE power	N/A	370W Class 4 PoE	600W Class 4/Class 6 PoE (Class 6 on 2.5G ports)	120W Class 6 PoE (4 ports only)
Power Supply Type	Internal Power Supply	Internal Power Supply	Internal Power Supply	Internal Power Supply
Safety				
Compliance	EN/IEC 62368-1, 2nd. & 3rd. Ed. UL 62368-1, 3rd.Ed. CAN/CSA C22.2 No. 62368-1, 3rd. Ed. EN/IEC 60825-1:2014 Class 1	EN/IEC 62368-1, 2nd. & 3rd. Ed. UL 62368-1, 3rd.Ed. CAN/CSA C22.2 No. 62368-1, 3rd. Ed. EN/IEC 60825-1:2014 Class 1	EN/IEC 62368-1, 2nd. & 3rd. Ed. UL 62368-1, 3rd.Ed. CAN/CSA C22.2 No. 62368-1, 3rd. Ed. EN/IEC 60825-1:2014 Class 1	EN/IEC 62368-1, 2nd. & 3rd. Ed. UL 62368-1, 3rd.Ed. CAN/CSA C22.2 No. 62368-1, 3rd. Ed. EN/IEC 60825-1:2014 Class 1
Emissions				
Compliance	EN 55032:2015/ CISPR 32, Class A FCC CFR 47 Part 15: 2018, Class A ICES-003, Class A VCCI-32, Class A CNS 13438, Class A KS C 9832, Class A AS/NZS CISPR 32, Class A	EN 55032:2015/ CISPR 32, Class A FCC CFR 47 Part 15: 2018, Class A ICES-003, Class A VCCI-32, Class A CNS 13438, Class A KS C 9832, Class A AS/NZS CISPR 32, Class A	EN 55032:2015/ CISPR 32, Class A FCC CFR 47 Part 15: 2018, Class A ICES-003, Class A VCCI-32, Class A CNS 13438, Class A KS C 9832, Class A AS/NZS CISPR 32, Class A	EN 55032:2015/ CISPR 32, Class A FCC CFR 47 Part 15: 2018, Class A ICES-003, Class A VCCI-32, Class A CNS 13438, Class A KS C 9832, Class A AS/NZS CISPR 32, Class A
Immunity				
Generic	BS/EN 55035, CISPR 35, KS C 9835	BS/EN 55035, CISPR 35, KS C 9835	BS/EN 55035, CISPR 35, KS C 9835	BS/EN 55035, CISPR 35, KS C 9835
EN	EN 55035, CISPR 35	EN 55035, CISPR 35	EN 55035, CISPR 35	EN 55035, CISPR 35
ESD	IEC 61000-4-2	IEC 61000-4-2	IEC 61000-4-2	IEC 61000-4-2
Radiated	IEC 61000-4-3	IEC 61000-4-3	IEC 61000-4-3	IEC 61000-4-3

	HPE Networking Instant On Switch 8p Gigabit CL6 PoE 2p SFP 124W 1940	HPE Networking Instant On Switch 24p Gigabit 4p SFP+ 1940	HPE Networking Instant On Switch 24p Gigabit CL4 PoE 4p SFP+ 240W 1940	HPE Networking Instant On Switch 20p Gigabit CL4 4p SR2.5G CL6 PoE 4p SFP+ 370W 1940
	S4A29A	S4A30A	S4A31A	S4A32A
Immunity				
EFT/Burst	IEC 61000-4-4	IEC 61000-4-4	IEC 61000-4-4	IEC 61000-4-4
Surge	IEC 61000-4-5	IEC 61000-4-5	IEC 61000-4-5	IEC 61000-4-5
Conducted	IEC 61000-4-6	IEC 61000-4-6	IEC 61000-4-6	IEC 61000-4-6
Power frequency magnetic field	IEC 61000-4-8	IEC 61000-4-8	IEC 61000-4-8	IEC 61000-4-8
Voltage dips and interruptions	IEC 61000-4-11	IEC 61000-4-11	IEC 61000-4-11	IEC 61000-4-11
Harmonics	EN 61000-3-2, IEC 61000-3-2	EN 61000-3-2, IEC 61000-3-2	EN 61000-3-2, IEC 61000-3-2	EN 61000-3-2, IEC 61000-3-2
Flicker	EN 61000-3-3, IEC 61000-3-3	EN 61000-3-3, IEC 61000-3-3	EN 61000-3-3, IEC 61000-3-3	EN 61000-3-3, IEC 61000-3-3
Device Management				
Options	Instant On Cloud Portal; Mobile App; Web Browser; SNMP Manager; DOCs (Telnet, SSH) Console Port (USB-C)	Instant On Cloud Portal; Mobile App; Web Browser; SNMP Manager; DOCs (Telnet, SSH) Console Port (USB-C)	Instant On Cloud Portal; Mobile App; Web Browser; SNMP Manager; DOCs (Telnet, SSH) Console Port (USB-C)	Instant On Cloud Portal; Mobile App; Web Browser; SNMP Manager; DOCs (Telnet, SSH) Console Port (USB-C)
Mounting Kit				
Options	Mounts in an EIA standard 19 in. telco rack or equipment cabinet. 2-post rack kit included Supports table-top mounting Supports rack-mounting, using the brackets provided Supports wall-mounting, using the brackets provided, with ports facing either up or down Supports under-table, using the brackets provided, with top-surface facing upward or downward	Mounts in an EIA standard 19 in. telco rack or equipment cabinet. 2-post rack kit included Supports table-top mounting Supports rack-mounting, using the brackets provided Supports wall-mounting, using the brackets provided, with ports facing either up or down Supports under-table, using the brackets provided, with top-surface facing upward or downward	Mounts in an EIA standard 19 in. telco rack or equipment cabinet. 2-post rack kit included Supports table-top mounting Supports rack-mounting, using the brackets provided Supports wall-mounting, using the brackets provided, with ports facing either up or down Supports under-table, using the brackets provided, with top-surface facing upward or downward	Mounts in an EIA standard 19 in. telco rack or equipment cabinet. 2-post rack kit included Supports table-top mounting Supports rack-mounting, using the brackets provided Supports wall-mounting, using the brackets provided, with ports facing either up or down Supports under-table, using the brackets provided, with top-surface facing upward or downward
Transceivers				
Options	Refer to SFP/SFP+ supported list table	Refer to SFP/SFP+ supported list table	Refer to SFP/SFP+ supported list table	Refer to SFP/SFP+ supported list table

Standards Compliance

IEEE standards support

IEEE Standard	Protocol / Technology Title	Functional Category
IEEE 802.3	10BASE-T	Physical / Data Link Layer
EEE 802.3u	100BASE-TX	
EEE 802.3ab	1000BASE-T	
EEE 802.3z	1000BASE-X	
IEEE 802.3bz	2500BASE-T	
IEEE 802.3bz	5000BASE-T	
IEEE 802.3an	10000BASE-T	
IEEE 802.3ae	10 Gigabit Ethernet (10GbE) over fiber optics	
IEEE 802.1D	Spanning Tree Protocol (STP)	Layer 2 Loop Prevention
IEEE 802.1w	Rapid Spanning Tree Protocol (RSTP)	
IEEE 802.1S	Multiple Spanning Tree Protocol (MSTP)	
IEEE 802.3ad	Link Aggregation Control Protocol (LACP)	Link Aggregation / Trunking
IEEE 802.1AB	Link Layer Discovery Protocol	Network Discovery and Topology Managementand Topology Management
IEEE 802.1X	Port access authentication	Network Security
IEEE 802.2af	PoE (PoE models only)	Power Delivery
IEEE 802.3at	PoE (PoE models only)	
IEEE 802.3bt	PoE (PoE models only)	
IEEE 802.1p	Priority	Quality of Service
IEEE 802.1Q	VLANS	Segmentation
IEEE 802.3az	Energy Efficient Ethernet	Sustainability
IEEE 802.3x	Flow control	Traffic Management

Standards Compliance

IETF standards support

RFC	Protocol / Technology Title	Functional Category
RFC 1123	Requirements for Internet Hosts - Application and Support	Core Internet Architecture
RFC 1700	Assigned Numbers	
RFC 4251	The Secure Shell (SSH) Protocol Architecture	
RFC 920	Domain Requirements	
RFC 2992	Analysis of an Equal-Cost Multi-Path Algorithm	ECMP Load Balancing Algorithm
RFC 1071	Computing the Internet Checksum	Error Detection / Integrity
RFC 1141	Incremental Updating of the Internet Checksum	
RFC 1624	Computation of the Internet Checksum via Incremental Update	
RFC 1350	The TFTP Protocol (Revision 2)	File Transfer
RFC 783	TFTP Protocol (revision 2)	
RFC 1533	DHCP Options and BOOTP Vendor Extensions	IP Allocation / Provisioning
RFC 1542	Clarifications and Extensions for the Bootstrap Protocol	
RFC 2131	Dynamic Host Configuration Protocol (DHCP client)	
RFC 2132	DHCP Options and BOOTP Vendor Extensions (Update)	
RFC 951	Bootstrap Protocol (BOOTP)	
RFC 4862	IPv6 Stateless Address Autoconfiguration (obsoletes RFC 2462)	IP Allocation / SLAAC
RFC 1027	Using ARP to Implement Transparent Subnet Gateways	IP-to-MAC
RFC 826	An Ethernet Address Resolution Protocol (ARP)	
RFC 5214	ISATAP tunneling (which obsoletes RFC 4214)	IPv4-to-IPv6 Transition / Tunneling
RFC 5171	Cisco Systems UniDirectional Link Detection (UDLD) Protocol	Link Layer Failure Detection
RFC 2236	Internet Group Management Protocol, Version 2	Multicast Management
RFC 3376	Internet Group Management Protocol, Version 3	
RFC 4861	Neighbor discovery for IPv6 (which obsoletes RFC 2461)	Neighbor Discovery / Control
RFC 4007	IPv6 scoped address architecture RFC 3484: default address selection mechanism	Network Addressing
RFC 4291	IPv6 address architecture RFC 4291: IPv6 addressing architecture (which obsoletes RFC 3513)	
RFC 919	Broadcasting Internet Datagrams	
RFC 922	Broadcasting Internet Datagrams in the Presence of Subnets	
RFC 950	Internet Standard Subnetting Procedure	
RFC 4443	Internet Control Message Protocol (ICMPv6) for the Internet Protocol Version 6 (IPv6) Specification (obsoletes RFC 2463)	Network Diagnostics
RFC 792	Internet Control Message Protocol (ICMP)	

Standards Compliance

RFC	Protocol / Technology Title	Functional Category
RFC 1155	Structure and Identification of Management Information for TCP/IP-based Internets	Network Management
RFC 1157	A Simple Network Management Protocol (SNMP)	
RFC 1213	Management Information Base for Network Management of TCP/IP-based internets: MIB-II	
RFC 1215	A Convention for Defining Traps for use with the SNMP	
RFC 1286	Definitions of Managed Objects for Bridges	
RFC 1442	Structure of Management Information for version 2 of the Simple Network Management Protocol (SNMPv2)	
RFC 1451	Manager-to-Manager Management Information Base	
RFC 1493	Definitions of Managed Objects for Bridges	
RFC 1573	Evolution of the Interfaces Group of MIB-II	
RFC 1643	Definitions of Managed Objects for the Ethernet-like Interface Types	
RFC 1757	Remote Network Monitoring Management Information Base	
RFC 1907	Management Information Base for Version 2 of the Simple Network Management Protocol (SNMPv2)	
RFC 2011	SNMPv2 Management Information Base for the Internet Protocol using SMIv2	
RFC 2012	SNMPv2 Management Information Base for the Transmission Control Protocol using SMIv2	
RFC 2013	SNMPv2 Management Information Base for the User Datagram Protocol using SMIv2	
RFC 2021	Remote Network Monitoring Management Information Base Version 2 using SMIv2 (RMON2)	
RFC 2233	The Interfaces Group MIB using SMIv2	
RFC 2576	Coexistence between Version 1, Version 2, and Version 3 of the Internet-standard Network Management Framework	
RFC 2579	Textual Conventions for SMIv2	
RFC 2580	Conformance Statements for SMIv2	
RFC 2618	RADIUS Authentication Client MIB	
RFC 2618	RADIUS Authentication Client MIB	
RFC 2620	RADIUS Accounting Client MIB	
RFC 2665	Definitions of Managed Objects for the Ethernet-like Interface Types	
RFC 2666	Definitions of Object Identifiers for Identifying Ethernet Chipsets	
RFC 2674	Definitions of Managed Objects for Bridges with Traffic Classes, Multicast Filtering and Virtual Extensions	
RFC 2737	Entity MIB (Version 2)	
RFC 2819	Remote Network Monitoring Management Information Base	
RFC 2863	The Interfaces Group MIB	
RFC 2925	Definitions of Managed Objects for Remote Ping, Traceroute, and Lookup Operations	
RFC 3019	IP Version 6 Management Information Base for the Multicast Listener Discovery Protocol	
RFC 3411	An Architecture for Describing Simple Network Management Protocol (SNMP) Management Frameworks	

Standards Compliance

RFC	Protocol / Technology Title	Functional Category
RFC 3412	Message Processing and Dispatching for the Simple Network Management Protocol (SNMP)	Network Management
RFC 3413	Simple Network Management Protocol (SNMP) Applications	
RFC 3414	User-based Security Model (USM) for version 3 of the Simple Network Management Protocol (SNMPv3)	
RFC 3415	View-based Access Control Model (VACM) for the Simple Network Management Protocol (SNMP)	
RFC 3416	Version 2 of the Protocol Operations for the Simple Network Management Protocol (SNMP)	
RFC 4293	MIB IPv6: textual conventions and general group RFC 3595: textual conventions for IPv6 flow label	
RFC 5519	Multicast Group Membership Discovery MIB	
RFC 2460	IPv6 specification	Network Routing
RFC 791	Internet Protocol (IP)	
RFC 4419	Diffie-Hellman Group Exchange for the SSH Transport Layer Protocol	Network Security
RFC 4432	RSA Key Exchange for the Secure Shell (SSH) Transport Layer Protocol	
RFC 4345	Improved Arcfour Modes for the Secure Shell (SSH) Transport Layer Protocol	
RFC 5656	Elliptic Curve Algorithm Integration for the SSH Transport Layer	
RFC 2827	Network Ingress Filtering: Defeating Denial of Service Attacks which employ IP Source Address Spoofing	
RFC 4252	The Secure Shell (SSH) Authentication Protocol	
RFC 4253	The Secure Shell (SSH) Transport Layer Protocol	
RFC 4254	The Secure Shell (SSH) Connection Protocol	
RFC 4256	Generic Message Exchange Authentication (Keyboard-Interactive)	
RFC 4335	The Secure Shell (SSH) Session Channel Break Extension	
RFC 4344	SSH Transport Layer Cryptographic Algorithms	
RFC 5647	AES-GCM Subsystem for SSH	
RFC 5722	Handling of Overlapping IPv6 Fragments	
RFC 2030	Simple Network Time Protocol (SNTP) Version 4 for IPv4, IPv6 and OSI	Network Time / Sync
RFC 4330	Simple Network Time Protocol (SNTP) Version 4 for IPv4, IPv6 and OSI	
RFC 1042	A Standard for the Transmission of IP Datagrams over IEEE 802 Networks	Packet Encapsulation
RFC 2464	Transmission of IPv6 Packets over Ethernet Networks	
RFC 894	A Standard for the Transmission of IP Datagrams over Ethernet Networks	
RFC 4250	The Secure Shell (SSH) Protocol Assigned Numbers	Protocol Parameter Registry
RFC 4716	The Secure Shell (SSH) Public Key File Format	Public Key Management
RFC 2474	Definition of the Differentiated Services Field (DS Field) in the IPv4 and IPv6 Headers	QoS

Standards Compliance

RFC	Protocol / Technology Title	Functional Category
RFC 854	Telnet Protocol Specification	Remote Management
RFC 855	Telnet Option Specifications	
RFC 856	Telnet Binary Transmission	
RFC 858	Telnet Suppress Go Ahead Option	
RFC 3164	The BSD Syslog Protocol	System Logging
RFC 5424	The Syslog Protocol	
RFC 768	User Datagram Protocol (UDP)	Transport Layer
RFC 793	Transmission Control Protocol (TCP)	
RFC 813	Window and Acknowledgement Strategy in TCP	
RFC 879	The TCP Maximum Segment Size and Related Topics	
RFC 896	Congestion Control in IP/TCP Internetworks	
RFC 3261	SIP: Session Initiation Protocol	VoIP Signaling
RFC 1867	Form-based File Upload in HTML	Web Application Layer
RFC 2616	Hypertext Transfer Protocol -- HTTP/1.1	

Ordering information

HPE Networking Instant On Switch Series 1940

Part number	Description
S4A29A	HPE Networking Instant On Switch 8p Gigabit CL6 PoE 2p SFP 124W 1940
S4A30A	HPE Networking Instant On Switch 24p Gigabit 4p SFP+ 1940
S4A31A	HPE Networking Instant On Switch 24p Gigabit CL4 PoE 4p SFP+ 240W 1940
S4A32A	HPE Networking Instant On Switch 20p Gigabit CL4 4p SR2.5G CL6 PoE 4p SFP+ 370W 1940
S4A33A	HPE Networking Instant On Switch 48p Gigabit 4p SFP+ 1940
S4A34A	HPE Networking Instant On Switch 48p Gigabit CL4 PoE 4p SFP+ 370W 1940
S4A35A	HPE Networking Instant On Switch 40p Gigabit CL4 8p SR2.5G CL6 PoE 4p SFP+ 600W 1940
S4A36A	HPE Networking Instant On Switch 8p SR10 4p CL6 PoE 2p SFP+ 120W 1940

Support Transceivers & Cables

Product Part Number	Speed - Form Factor	Description
R9D16A	1G - SFP	HPE Networking Instant On 1G SFP LC SX 500m OM2 MMF Transceiver
S0G20A	1G - SFP	HPE Networking Instant On 1G LX SFP LC 10km SMF Transceiver
R9D17A	1G - SFP	HPE Networking Instant On 1G SFP RJ45 100m Cat5e Transceiver
R9D17B	1G - SFP	HPE Networking Instant On 1G SFP RJ45 100m Cat5e Transceiver
S0G18A	1/10G - SFP+	HPE Networking Instant On 10GBASE-T RJ45 30m Cat6a Transceiver
R9D18A	1/10G - SFP+	HPE Networking Instant On 10G SFP+ LC SR 300m OM3 MMF Transceiver
S0G21A	1/10G - SFP+	HPE Networking Instant On 10G LR SFP+ LC 10km SMF Transceiver
R9D19A	1/10G - SFP+	HPE Networking Instant On 10G SFP+ to SFP+ 1m Direct Attach Copper Cable
R9D20A	1/10G - SFP+	HPE Networking Instant On 10G SFP+ to SFP+ 3m Direct Attach Copper Cable

Foundation Care

Foundation Care Support SKU	SKU Description
H13DKE	HPE Aruba Networking Foundational Care 3Y NBD Exch 1940 8P SFP Service
H13DTE	HPE Aruba Networking Foundational Care 3Y NBD Exch 1940 8P SFP+ Service
H13DLE	HPE Aruba Networking Foundational Care 3Y NBD Exch 1940 24P Service
H13DME	HPE Aruba Networking Foundational Care 3Y NBD Exch 1940 24P POE Service
H13DNE	HPE Aruba Networking Foundational Care 3Y NBD Exch 1940 20P Service
H13DQE	HPE Aruba Networking Foundational Care 3Y NBD Exch 1940 48P Service
H13DRE	HPE Aruba Networking Foundational Care 3Y NBD Exch 1940 48P POE Service
H13DSE	HPE Aruba Networking Foundational Care 3Y NBD Exch 1940 40P Service

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