Data sheet

HPE Networking CW 2050 Switch Series

HPE Networking CW 2050 24p 10/100/1000BT PoE+ 4p SFP 1G/2.5G 420W Switch (S6X72A)



What's new

- Fully managed, stackable Layer 2 switch series with 24 and 48port nonPoE and PoE models, supporting IRF stacking with up to two switches
- Four dedicated 1G/2.5G SFP uplink ports
- 24port nonPoE model includes four HPE Smart Rate 1G/2.5G ports; 24port PoE model includes four PoE++ 1G/2.5G ports delivering up to 100W per port
- Powerful PoE provides up to 420W

Overview

HPE Networking CW 2050 Switch Series is designed to empower your business with next-level connectivity. Whether you run a small or medium-sized business, or manage branch offices, the CW 2050 series offers seamless, secure, and high-performance networking without the complexity or high cost. This fully managed, stackable switch features advanced HPE Smart Rate 1G/2.5G ports and high-power PoE to support a wide range of devices, from computers to IP phones and wireless access points. With intuitive management through a web GUI and the CW dashboard, setting up and monitoring your network is simple—even for non-IT experts. For more advanced needs, the CW 2050 series integrates easily using CLI, SNMP, or REST API, ensuring compatibility with your existing systems. Choose the CW 2050 series for a reliable, scalable, and affordable solution that grows with your business.

(35W per port) to support APs, IP phones, surveillance cameras, door locks, and other IoT devices

- Fanless design on the 24port nonPoE model for acoustically sensitive environments

- Flexible, simplified management with default Web GUI, SmartMC management dashboard, CLI, SNMP, and REST API for integration with customer dashboards

Features

Enterprise class-reliable performance

The CW2050 series includes four models with 24 and 48 access ports and four builtin 1G/2.5G SFP uplinks for nonblocking performance. The 24port nonPoE model includes four HPE Smart Rate 1G/2.5G ports, and the 24port PoE model includes four PoE++ 1G/2.5G ports delivering up to 100W per port.

It supports up to 116Gbps switching capacity and up to 86Mpps performance.

Twoswitch Intelligent Resilient Fabric (IRF) stacking simplifies network management and provides high availability with uninterrupted Layer2 switching and Layer3 forwarding.

It supports Layer3 static routing and IPv6.

With industryleading 6kV serviceport surgeprotection technology, the HPE Networking CW2050 Switch Series helps reduce surgestrike risks in demanding environments such as construction sites.

Powerful PoE options for WiFi7 APs and demanding IoT devices

The 24port and 48port PoE models provide power budgets of 420W and 410W, respectively, at 35W per port, supporting WiFi7 APs, IP cameras, video phones, and other devices without the need for separate power adapters or cabling.

The 24port model includes four PoE++ ports delivering up to 100W per port for added flexibility and investment protection.

Simple and flexible management

The HPE Networking CW2050 Switch Series includes a default Web GUI and can be managed alongside other CW switches with an embedded webbased dashboard designed to simplify deployment and centralize management.

Advanced management options include HPE Intelligent Management Center (IMC), commandline interface (CLI), SNMP managers, and REST APIs for integration with existing customer dashboards.

Comprehensive security control

The CW2050 series provides multilayered access protection with granular ACLs (IPv4/IPv6, VLAN, portbased), identitydriven policies, and authentication including 802.1X, MAC, Web, RADIUS, and TACACS+, as well as Guest VLAN detection and dualNIC detection with IMC.

It supports encrypted access using SSHv2, SSL, SNMPv3, and TLS, along with rolebased privileges and audit logging.

Secure Boot verifies digital signatures to help prevent unauthorized or malicious software from loading during startup.

Threatprevention features include Control Plane Policing (DoS protection), ARP and DHCP protection, ICMP throttling, port security, and sourceport filtering.

Network isolation features include Private VLANs for usertouser traffic separation.

Technical specifications	HPE Networking CW 2050 24p 10/100/1000BT PoE+ 4p SFP 1G/2.5G 420W Switch
Product Number	S6X72A
Differentiator	4x HPE Smart Rate 1G/2.5G PoE++ ports at 100W per port, other ports at 35W per port
Power consumption	23W, AC
Heat dissipation	48–1542 BTU/hr depending on configuration
Input voltage	Rated voltage range: 100–240 VAC at 50 Hz or 60 Hz Maximum voltage range: 90–264 VAC at 47 Hz to 63 Hz
Ports	20x 10/100/1000BASE-T PoE+ ports 4x 1G/2.5G BASE-T PoE++ ports 4x 1G/2.5G BASE-X SFP ports 1x RJ-45 console port
Latency	1 GE: ≤5µs (64 byte LIFO)
Switching capacity	80 Gbps
Stacking capabilities	Two-switch IRF stack
Throughput	59.52 Mpps
Memory and processor	CPU: Single-core Arm® 1.25 GHz Flash: 256 MB Packet buffer: 0.5 MB
Power supply	Internal, 90V–264V AC
PoE capability	20-port PoE+ at 35W /port, 4 ports PoE++ at 100W /port, 420W
Management features	Web GUI Command Line Interface (CLI) Smart Management Center (SmartMC) HPE Intelligence Management Center (IMC) HPE Networking Management Software (AirWave) SNMP RestAPI
Operating temperature	-5°C–45°C (23°F–113°F)
Shipping weight	11.464 lb
Shipping dimensions	15.12 x 21.97 x 5.31 in
Warranty	Limited lifetime hardware warranty. See the warranty duration.

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— **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.

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— Accelerate AI, from pilot to production

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For additional technical information, available models and options, please reference the QuickSpecs

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