

Technical Specifications of 400G PoE Switch



Article Overview

400G PoE switches combine high-speed 400GbE connectivity with Power over Ethernet (PoE) capabilities, offering dense port configurations, high throughput, and intelligent power management for enterprise and data center applications.

Key Features of 400G PoE Switches

Port Configuration and PoE Power

- The AirLive POE-GSH2404M-400 is a managed L2+ switch with 28 ports: 24 PoE ports and 4 Gigabit SFP/TP combo ports .
- Each PoE port supports 802.3at/af standards, delivering up to 30W per port with a total PoE budget of 400W .
- PoE Watchdog technology automatically detects and restarts connected devices like IP cameras if they crash, ensuring 24/7 reliability .
- Switching Capacity and Performance
- High-performance 400G switches like the Celestica DS4000 feature 32 QSFP-DD 400GbE ports, supporting up to 144 sub-rate ports .
- Built on Broadcom Tomahawk3 silicon with an Intel Xeon D-1627 CPU and 16GB DDR4 memory, the DS4000 delivers a switching capacity of 12.8 Tbps and a 64MB packet buffer .
- Senao 400G switches use Intel 12.8T Tofino2 P4-programmable ASICs, enabling adaptable forwarding and support for new protocols via software-defined data planes .
- Management and Security...

Article Content

BCM87400 | 7 nm 400GbE PAM-4 PHY (8:4)

The BCM87400 leverages Broadcom's market-leading PAM-4 PHY technology platform and represents the industry's first 400G PAM-4 PHY transceiver available in 7-nm CMOS.

D-Link DGS-1008P Datasheet

The DGS-1008P PoE Gigabit Desktop switch provides a cost-effective way for office users to easily connect and supply power to Power over Ethernet (PoE) devices such as wireless access points

Supermicro SSE-T8032 400G Ethernet Switch

SSE-T8032 comes with twin port 2x400GbE with 32 physical OSFP ports, offering denser 64x400GbE in just 1U form factor. The interface provides flexibility to meet variety of speed and used cases such as

DGS-F1006P-E 4GE PoE+ 1GE & 1 SFP Uplink 250m

The D-Link DGS-F1006P-E 4 Port Switch with 10/100/1000Mbps and 1 GE & 1 SFP Ports enables you to connect Power over Ethernet (PoE) devices such as

Cisco 4-Port, 8-Port, and 8-Port with PoE/PoE+ Gigabit Ethernet LAN ...

The 4- and 8-port Gigabit Ethernet LAN Switch NIMs provide line-rate Layer 2 switching across onboard Gigabit Ethernet ports. The 4-port NIM has four 10/100/1000 switched Gigabit Ethernet ports. The 8

NVIDIA Spectrum SN4000 Series Switches

Allowing maximum flexibility, SN4000 series provides port speeds spanning from 1GbE to 400GbE, with a port density that enables full rack connectivity to any server at any speed. In addition, the uplink

Cisco Nexus 9300 32-port 400G Switch

32 400G QSFP-DD ports and two fixed 1/10G SFP+ ports in 1RU form factor. 8 400G QSFP-DD ports with MACsec and CloudSec capability. Every QSFP-DD port is breakout capable. Supports 12.8

Celestica DS4000 (R4023-F9x0x) | 400G Data Center Switch

Built on Broadcom Tomahawk3 switching silicon and powered by an Intel® Xeon® D-1627 CPU with 16GB DDR4 memory, the platform provides a powerful foundation for demanding open networking

Cisco Catalyst 9200 Series Switches Data Sheet

This data sheet describes the benefits, specifications, and ordering information for the Cisco Catalyst 9200 Series Switches.

Cisco Industrial Ethernet 4010 Series Switches Data Sheet

Cisco® Industrial Ethernet (IE) 4010 Series Switches with 28 Gigabit Ethernet interfaces are high-performance ruggedized, rack mount Layer2 and 3 switches with high-density Power-over

48 Port Gigabit PoE Switch Unmanaged with 48 Port IEEE802

48-port full Gigabit PoE unmanaged Ethernet switch. Provide 48*10/100/1000M RJ45 ports, with 2 Gigabit SFP ports, 1-48 Port support PoE+ @ IEEE802.3af/at. The maximum power of a single port

Milesight 24-Port (SFP) POE Switch

Surge Protection 4KV surge protection keeps PoE Switches from lightning strikes and other electrical surges, offering reliable performance even in some harsh environments.

Specification Sheet DELL POWERSWITCH

Multi-functional 10/25/40/50/100/400GbE switching in High Performance Computing Clusters or other business-sensitive deployments requiring the highest bandwidth.

EX4000 LINE OF ETHERNET SWITCHES DATASHEET

Compact, fanless switch offering 4 x 2.5 MGig access ports, 8 x 1GbE PoE++ (60W) access ports, 2 x 1/10G SFP+ uplink ports, and 2 x 10G SFP+ VC ports with a total PoE budget of 240W

UniFi Switch Datasheet

Available with 24 or 48 RJ45 Gigabit ports, the UniFi Switch is a fully managed Gigabit switch, delivering robust performance and intelligent switching for your growing networks.

2024 PoE Switch Quick Reference Guide

We've created a PoE Switch Quick Reference Guide that highlights the key features of each product. Browse our selection of PoE solutions today and discover how D-Link can help you achieve your

Cisco 400G Data Center Networking

Learn how the demands of specialized workloads like big data and AI are driving the transition to 400G and beyond to 800G, revolutionizing data center and network engineering.

2024 PoE Switch Quick Reference Guide

These Layer 2 switches support up to 10 Gbps, 370W PoE power budget, 6 kV surge protection, and automatic Voice VLAN. With 10 to 52 ports, they can power and connect access points, cameras,

DS-3E0505P-E/M 4 Port Gigabit Unmanaged PoE Switch

PoE power management Gigabit network access Wire-speed forwarding and non-blocking design Store-and-forward switching

Cisco SRW224P 24-Port 10/100 + 2-Port Gigabit Switch: WebView/PoE

The Cisco ® SRW224P 24-Port 10/100 + 2-Port Gigabit Switch (Figure 1) offers a highly secure way to expand your network. Web-based configuration of the switch is secured using SSL.

Fully Managed M4250 GSM4248P – 48x1G PoE+ AV

The GSM4248P is a fully managed 48x1G PoE+ switch engineered for 1G AV over IP with rear-facing ports for clean AV rack integration. Pre-configured for out-of

Data Center 400G Switch Q& A

Explore the most frequently asked questions about Asterfusion's 400G switches, including latency performance, RoCEv2, SONiC support, telemetry,

POE-GSH2404M-400: Managed 400W Gigabit PoE+ Switch

AirLive POE-GSH2404M-400 is an L2+ managed 28-port Gigabit PoE+ switch including 24 PoE ports and 4 Gigabit SFP/TP combo ports with high 400W PoE power. Each PoE port is 802.3at/af

48 Port Gigabit PoE Switch Unmanaged with 48 Port

□ 48-port Gigabit PoE+ switch with 48 PoE+ 10/100/1000 Mbps RJ45 ports, 2 Gigabit uplink SFP ports. SFP ports can provide more bandwidth and connect

48-Port Gigabit Ethernet Unmanaged PoE+ Switch (380W)

Looking for an affordable rack mount unmanaged switch for your business? Check out the easy smart managed 48-Port Gigabit Ethernet PoE+ Switch (380W). Buy now!

Fully Managed Switches M4300-52G

Discover Netgear GSM4352PB - M4300-52G 48x1G PoE+ Stackable Managed Switch with 2x10GBASE-T and 2xSFP+ 1,000W PSU. NETGEAR ProSAFE ® Limited Lifetime Hardware

Dahuasecurity

Hier sollte eine Beschreibung angezeigt werden, diese Seite lässt dies jedoch nicht zu.

FortiSwitch Secure Access Series Data Sheet | Fortinet

Scalable and flexible for branches or small business. Up to 48 access ports in a compact 1 RU form factor. Power over Ethernet and PoE+ support. Wire-speed switching with up to 10GE uplinks.

GSM4230PX M4250 Series

Optimize AV over IP setups with the GSM4230PX. Featuring 24 PoE+ ports, 4 SFP+ uplinks, and a 480W power budget, this switch ensures seamless integration and performance for professional AV

400G High Speed Switches 400G High Speed Switches

In response to the explosive growth of data, the 400G switch aims to meet the network demands of hyperscale data centers and cloud computing service provider. Senao 400G high-speed network

M4250-40G8F-PoE+

M4250-40G8F-PoE+ M4250-26G4F-PoE+ is a NETGEAR managed switch designed for 1Gb AVoIP deployments. It is out-of-the-box preconfigured for the KDS-7 encoders and decoders with zero

PoE Switches to Simplify Your Power and Network Setup

Streamline your network with NETGEAR PoE switches that deliver power and data over one cable. Choose from managed and unmanaged switches for any setup. Shop now.

Contact Us

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