

Managed Gigabit Ethernet Fiber Switch

(12) 100/1000Base-X SFP Slots + (2) 1G/10GBase-X SFP+ Slots + (2) 10/100/1000Base-T RJ-45 Ports



This switch is a next generation fully managed fiber switch with 68Gbps switching capacity. It provides (12) 100/1000 dual speed SFP slots, (2) 1G/10G SFP+ slots and (2) additional Gigabit RJ-45 ports.

Features

- IPv6 Management
- Support Jumbo Frame up to 9K bytes
- Authentication – RADIUS, TACACS+
- IEEE 802.1X: RADIUS authentication, authorization and accounting, MD5 hash, guest VLAN, single/multiple host mode and single/multiple sessions
- DHCP Relay, DHCP Option 82, DHCP Snooping, DHCP Server
- L2/L3/L4 ACLs Support MAC, VLAN ID or IP, protocol, port, DSCP/IP precedence/TCP.UDP, Ether Type, ICMP, TCP flag
- LLDP (Link Layer Discovery Protocol)
- IEEE 802.3az Energy Efficiency
- IP Source Guard, Port Security
- Port Mirroring
- Firmware Update through TFTP/HTTP and console
- Syslog

Specifications

| | |
|-------------------|---|
| Standards | IEEE 802.3 IEEE 802.3u IEEE 802.3z IEEE 802.3ae IEEE 802.3x IEEE 802.3ad IEEE 802.1D IEEE 802.1w IEEE 802.1s IEEE 802.1Q IEEE 802.1p IEEE 802.1ad IEEE 802.1AB IEEE 802.1X IEEE 802.3az |
| Connectors | (12) 100/1000 SFP slots (2) 1G/10G SFP+ slots (2) 10/100/1000 RJ-45 ports |
| Protocols | CSMA/CD |
| Technology | Store-and-Forward switching architecture |
| MAC Address | 32K MAC address table |
| Backplane | 68 Gbps |
| Dimensions | Width: 11.02" [280 mm] Depth: 5.28" [134 mm] Height: 1.73" [44 mm] |
| Power Input | 100-240VAC (on the front) or 24/48VDC |
| Power Consumption | 24 Watts (max) |
| Environment | Operating: -20°C to +60°C Humidity: 10% to 90% (non-condensing) |
| Weight | 2.2 lbs. [1.0 kg] |
| Certifications | FCC Class A, CE Safety: UL Listed, IEC62368-1/EN62368-1 |
| Warranty | Lifetime |

Ordering Information

SM12DP2XA

- (12) 100/1000Base-X SFP slots
- + (2) 1G/10GBase-X SFP+ slots
- + (2) 10/100/1000Base-T RJ-45 ports (includes 19" rack mount brackets)

Optional Accessories (sold separately)

SFP Modules

Power Supplies (sold separately)

25130

- Input: 88 -264VDC, 120-370VDC
- Output: 48VDC, 39.8 Watts, -20°C to +70°C

Software Features

- Management: Web Management, SNMP V1/V2c/V3, SSH, CLI
- Port Trunk: Supports IEEE 802.3ad port trunk with link aggregation control protocol (LACP) and static trunk
- Multicast: Support IGMP Snooping V1/V2/V3, IGMP Proxy, IGMP Querier, MVR, and MLD Snooping V1/V2
- Spanning Tree: Supports IEEE 801.1s MSTP, IEEE 802.1w RSTP and IEEE 802.1D STP Compliant
- Rapid Ring
- VLAN: Port Based VLAN, IEEE 802.1Q tag-based, up to 4k VLAN entries, QinQ, MAC-based VLAN, Private VLAN, Voice VLANs and Management VLAN
- Quality of Service: Supports 8 hardware queues
 - Scheduling: Strict priority and WRR, Queue assignment based DSCP and class of service
 - Classification: Port based, IEEE 802.1p VLAN priority based, IPv4/IPv6 precedence/ DSCP based, DiffServ, Classification and re-marking
 - Rate Limiting: Ingress policer, Egress shaping, rate control and per port
- IPv4/IPv6 Static Routing
- Device Management System: Graphic Monitoring, Grouping, Traffic Monitoring

Power Cord Included

To order the corresponding country specific power cord, add the extension from the list below to the end of the SKU; Ex: SM12DP2XA-NA

-NA = Country Code

- NA = North America
- LA = Latin America
- EU = Europe
- UK = United Kingdom
- SA = South Africa
- JP = Japan
- OZ = Australia
- BR = Brazil