

## Managed Gigabit Ethernet Fiber Switch

(20) 100/1000Base-X SFP Slots + (4) 100/1000Base SFP/RJ-45 Combo Ports + (4) 1G/10GBase-X SFP+ Slots



This switch is a next generation Layer 2 managed switch with 128Gbps switching capacity. It provides up to (24) dual speed fiber slots and (4) 10Gig aggregation ports, it's an ideal switch for fiber aggregation applications.

### Features

- Supports IPv4/IPv6 dual protocol stack
- Support Jumbo Frame up to 1518-4776 bytes
- Authentication – IEEE 802.1X, RADIUS, TACACS+
- Security - Supports SSH/SSL
- DHCP Relay, DHCP Option 82
- L2/L3/L4 ACLs Support MAC ACL, IP standard/extended ACL, IEEE 802.1p, Ethernet type
- LLDP (Link Layer Discovery Protocol)
- DHCP Server
- IEEE 802.3az Energy Efficiency
- IP Source Guard, Port Security
- IEEE 1588v2 PTP
- IEEE 802.3ah OAM
- IEEE 802.1ag CFM
- ITU-T Y.1731 Performance Monitoring
- ITU-T G.8031 Ethernet Linear Protection Switching (EPS)
- ITU-T G.8032 Ethernet Ring Protection Switching (ERPS)
- Ethernet Virtual Circuits (EVC) for EPL and EVPL Services

### 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 802.1X IEEE 802.3az IEEE 802.3ah IEEE 802.3ag IEEE 1588v2 ITU-T Y.1731 ITU-T G.8031 ITU-T G.8032
Connectors	(1) RJ Console Port (1) Management Port (20) 100/1000 SFP slots (4) 100/1000 SFP/RJ-45 combo ports (4) 1G/10G SFP+ slots
Protocols	CSMA/CD
Technology	Store-and-Forward switching architecture
MAC Address	32K MAC address table
Backplane	128 Gbps
Dimensions	Width: 17.4" [442 mm] Depth: 8.31" [211 mm] Height: 1.73" [44 mm]
Power Input	Single 100-240VAC Dual +24/+48 VDC or -24V/-48V VDC
Power Consumption	60 Watts (max)
Environment	Operating: -20°C to +60°C Humidity: 5% to 90% (non-condensing)
Weight	2.87 lbs. [1.3 kg]
Certifications	FCC Class A, CE Safety: IEC62368/EN62368, UL Listed
Warranty	5 Years

### Ordering Information

#### SM24DP4XA

(20) 100/1000Base-X SFP slots  
+ (4) 100/1000Base SFP/RJ-45 combo ports  
+ (4) 1G/10GBase-X SFP+ slots  
(includes 19" rack mount brackets)

Optional Accessories (sold separately)

#### SFP Modules

### Software Features

- Management: Web Management, SNMP V1/V2c/V3, Telnet, CLI
- Port Trunk: Supports IEEE 802.3ad port trunk with link aggregation control protocol (LACP) and static trunk
- Support IGMP Snooping V1/V2/V3, IGMP Proxy, GVRP, IGMP Querier, and MLD Snooping V1/V2
- Spanning Tree: Supports IEEE 802.1s 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 egress queues per port enable differentiated management of up to 8 traffic types across the stack. Strict priority and WRR
- IPv4/IPv6 Unicast Static Routing
- Firmware Update, configure backup/restore through TFTP & HTTP
- AC/DC Dual Power Supply
- 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: SM24DP4XA-NA

#### -NA = Country Code

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