



SM24DP4XA

Fiber Aggregation Switch



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

Benefits

100/1000 dual speed SFP slots

Provides network operators with a flexible solution for delivering extraordinary Ethernet Services over a wide range of fiber facilities

AC/DC Dual Power Supply

Redundant power input to ensure network with high reliability and high availability

Compact form factor

The switch can be used in a space or wiring constrained cabinets or other constrained spaces

Wide operating temperature

Ensures reliable fiber connections in extreme temperatures

1G/10G fiber uplink

Accommodates business growth and increased traffic, such as aggregate upstream gigabit traffic loads from high speed wireless access points

Embedded Device Management System

A unique set of value-added features that provide the network operators with lower overall cost, less downtime and easier management of the entire network

DMI information

Allows the user to monitor real-time parameters of the fiber optic transceivers such as input/out power, temperature, current and voltage

Applications:

- Fiber Aggregation
- IP Surveillance
- Business Ethernet

Markets:



Enterprise



Smart Buildings



Retail



Security and Surveillance



Hospitality



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

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

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

Ordering Information

Part Number	Description
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

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-**xx**

-xx = Country Code

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