# SM12DP2XA

**TRANSITION NETWORKS®**

## 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.

### 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

### 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<br>IEEE 802.3u<br>IEEE 802.3z<br>IEEE 802.3ae<br>IEEE 802.3x<br>IEEE 802.3ad<br>IEEE 802.1D<br>IEEE 802.1w<br>IEEE 802.1s<br>IEEE 802.1Q<br>IEEE 802.1p<br>IEEE 802.1ad<br>IEEE 802.1AB<br>IEEE 802.1X<br>IEEE 802.3az |
| Connectors | (12) 100/1000 SFP slots<br>(2) 1G/10G SFP+ slots<br>(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]<br>Depth: 5.28" [134 mm]<br>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<br>Humidity: 10% to 90% (non-condensing) |
| Weight | 2.2 lbs. [1.0 kg] |
| Certifications | FCC Class A, CE<br>Safety: UL Listed, IEC62368-1/EN62368-1 |
| Warranty | Lifetime |

**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

### 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 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 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

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