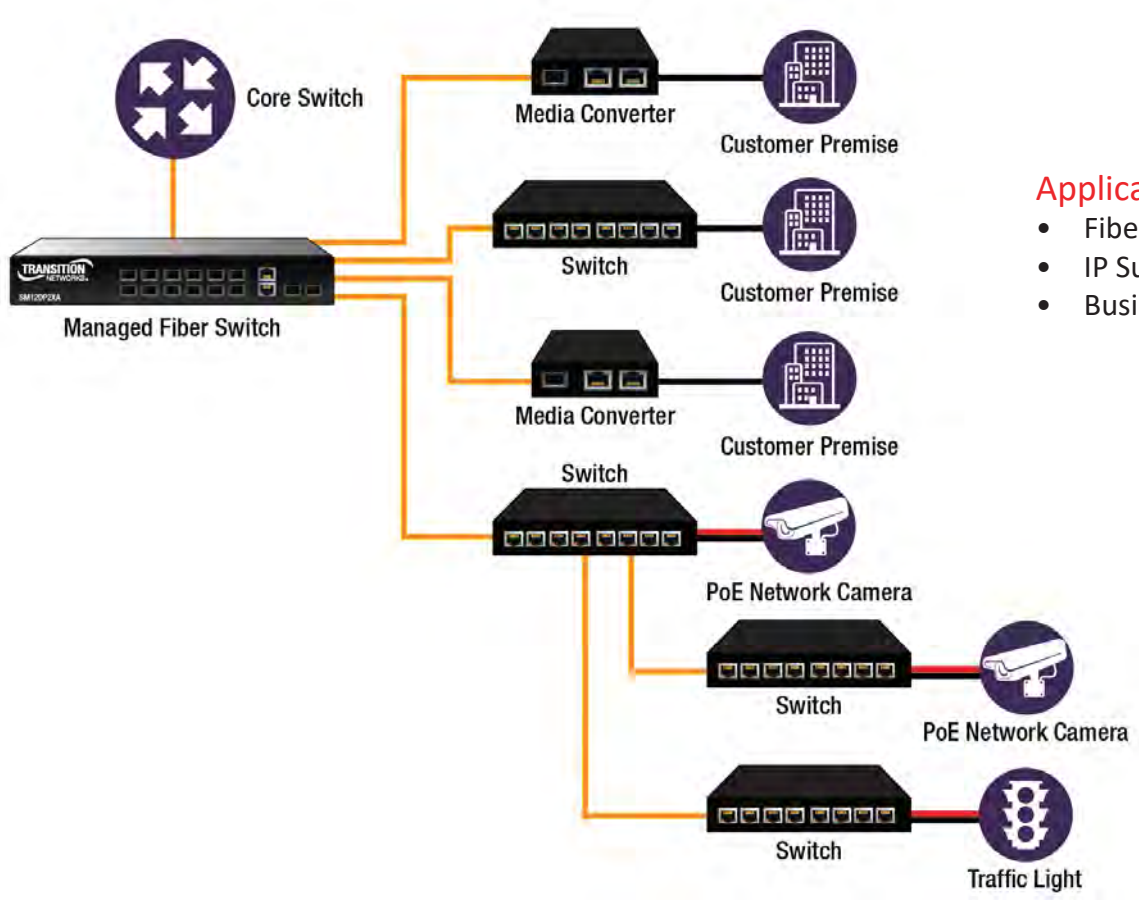
Managed Gigabit Ethernet Fiber Switch



Applications

- Fiber aggregation
- IP Surveillance
- Business Ethernet

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

SM12DP2XA

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

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

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
Connectors	(12) 100/1000 SFP (2) 1G/10G SFP+ (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]
Compliance	FCC Class A, CE Safety: UL Listed
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

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

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 Cont.

- 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, 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