TRANSITION NETWORKS®

Enterprise Switches

**Cost Effective Solutions for
Network Migration to Fiber**

Enterprise Switching Built for a High Level of Service and Reliability

You need your enterprise network to do more, for more users – for less. As a result, new technologies may have outpaced your cabling infrastructure. You could begin an expensive upgrade of your cabling plant. Or, you could use Transition Networks solutions to migrate to a fiber-based cabling system at a fraction of the cost.

Transition Networks' portfolio of multilayer Ethernet switching products are designed to facilitate low-cost network evolution by allowing customers to only pay for the port counts and features that they need. Our switching portfolio offers customers unique configurations and a high level of service and reliability, all while serving to ease network stress caused by high bandwidth demand and applications requiring advanced capacity to run them.
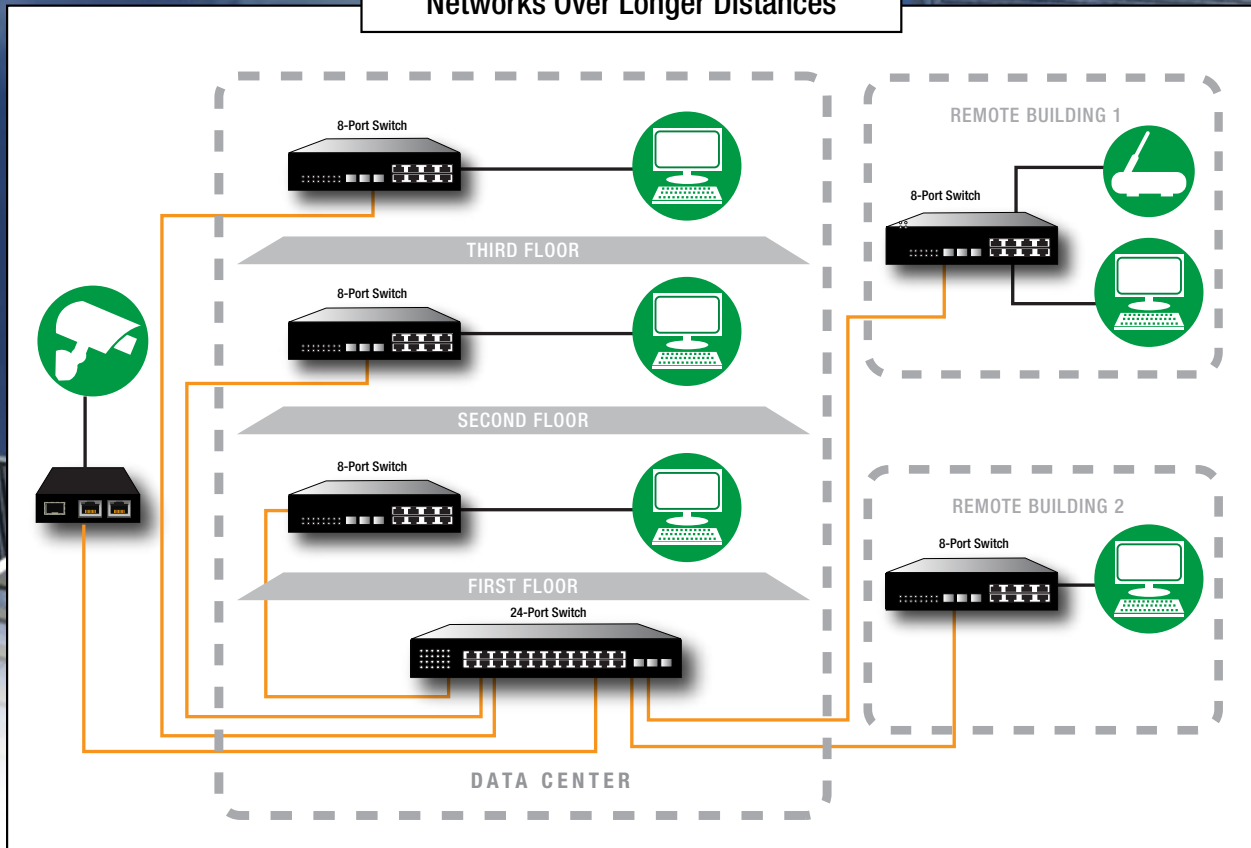
Transition Networks solutions can link new fiber cabling with legacy copper-based network devices – including RJ-45 based switches, routers, and NICs – to greatly reduce the expense of a fiber upgrade while improving bandwidth, distance and security throughout the enterprise.

High Performance Web Managed Switching Delivers Power and Data with Significant Cost Savings

- Corporate Environments
- Retail Outlets
- School Campus
- Data Centers
- Government Agencies

Connect Enterprise Swithes to Fiber Networks Over Longer Distances

8-Port Switch

THIRD FLOOR

8-Port Switch

SECOND FLOOR

8-Port Switch

FIRST FLOOR

24-Port Switch

REMOTE BUILDING 1

8-Port Switch

REMOTE BUILDING 2

8-Port Switch

DATA CENTER

Product features:

- 8-port 10/100 Base-TX plus 100Base-FX/1000 Base-X SFP or 10/100/1000 copper combo
- 8 ports with integrated PoE injectors
- X-Ring Technology
- IEEE Std. 802.3af Compliance
- Full 15.4 Watts per port
- PoE Legacy and Reverse Polarity Support
- Non-blocking switching architecture
- IEEE 802.1p Class of service
- IPv4 IP TOS and DiffServ QoS classification, IPv6 Traffic class with 4 queues per port

- IEEE 802.1q VLAN, up tp 256 groups, VLAN tagging ID up to 4096.
- Static MAC, 100 entries
- IEEE 802.1x
- RADIUS client
- DHCP Client and Server, SNTP
- Auto MDI-MDIX
- IGMP/GVR
- Port Mirroring
- 8K MAC Address
- Telnet/Web-Based management

MIL-SM8TXAF2GPA

MIL-S800i-v2
Unmanaged Fast Ethernet Switch
(8) 10/100BASE-TX ports

TRANSITION NETWORKS ®

The industry's smallest 8-port compact switch with an internal power supply, the MIL-S800i-v2 auto-negotiates 10/100 Mbps connections for fast and simple switching in workgroup, small office, and home environments.

Ordering Information

MIL-S800i-v2
8-port 10/100BASE-TX Micro Switch with internal power supply

POWER SUPPLY INCLUDED

Features

- 10/100 Unmanaged Switch
- Compact Size
- Internal power supply
- Store-and-Forward
- Auto-MDI/MDIX

Specifications

Standards	IEEE 802.3 IEEE 802.3u IEEE 802.3x
Network Interface	10BASE-T: RJ-45 Categories 3, 4, 5 100-ohm UTP; 100BASE-TX: RJ-45 Category 5 100-ohm UTP
Buffer Memory	768 KB
Backplane	1.6 Gbps
Dimensions	Width: 6.3" [160 mm] Depth: 4.0" [100 mm] Height: 1.28" [32.5 mm]
Weight	1 lb. [0.45 kg]
Environment	Operating: 0°C to 45°C Humidity: 5% to 95% (non-condensing) Storage: -40°C to 70°C
Internal Power Supply	AC Power: 100 – 240 VAC Line Frequency: 50/60 Hz
Power Consumption	4.5 Watts maximum
Compliance	Safety: UL, cUL, TUV/GS, CE Emissions: FCC Class B, CISPR 22 Class B, CE Mark, VCCI Class B
Installation	Integrated keyholes for wall mounting; twin magnets and desktop rubber feet included
Waranty	5 Year

Full/Half Duplex
Each port is capable of operating at full or half duplex, allowing up to 200 Mbps for end users. Flow control and back pressure minimize packet loss and maximize performance.

High-Performance Switching
Non-blocking architecture assures rapid packet delivery, while 1K MAC address table and memory buffering provide swift lookup and packet forwarding.

MDI/MDIX
Provides automatic cable detection on 10/100BASE-TX ports for adjusting to straight-through or crossover cables during installation.

Ruggedized Chassis
Sturdy metal enclosures with wall holes mounts for installation in non-traditional environments.

Straightforward Diagnostics
Perpetual port status provided via LEDs on top of switch to simplify troubleshooting.

Secure and Safe
Class B, UL, cUL, and TUV Certifications; conforms to IEEE 802.3, 802.3u, and 802.3x standards.

S24TXA

Unmanaged Fast Ethernet Switch

(24) 10/100BASE-TX ports

TRANSITION NETWORKS ®

The S24TXA compact Fast Ethernet Switch has twenty-four 10/100 Base-TX ports with low latency and error-free performance provided via an advanced store-and-forward architecture.

POWER SUPPLY INCLUDED

Features

- Auto-MDI/MDIX
- Wire Speed Performance
- Auto-Negotiation for Speed and Duplex
- Store and Forward Architecture
- Ruggedized metal chassis with internal power supply
- Front panel LED status indicators

Specifications

Standards	IEEE 802.3 IEEE 802.3u IEEE 802.3x
Packet Forwarding	Store-and-Forward
Address Support	8K MAC address table
System LEDs	Power, Link/Activity
Switch Fabric	4.8 Gbps for S24TXA
Latency	5 ms
Memory Buffer	1.75Mbits
Environment	Operating: 0°C to 45°C Storage: -40°C to 70°C Humidity:10% to 90% (non-condensing) Relative Humidity: 10% to 90%
Dimensions	Width: 9.8" [250 mm] Depth: 5.2" [132 mm] Height: 1.5" [37 mm]
Weight	3 lbs. [1.35 kg]
Compliance	Safety: UL, cUL Emissions: FCC Class A, CE Mark,
Internal Power Supply	Universal AC power input: 100 to 240 VAC 50 – 60 Hz; Output rate: +3.3V/3A
Warranty	Lifetime

Automatic MDI/MDIX
Cable detection and correction is automatic as the switch adjusts for straight-through or crossover cables during installation—no uplink port necessary.

High-Performance Switching
Non-blocking architecture assures rapid packet delivery and the extensive 8,000 MAC address table and memory buffering provide swift lookup and packet forwarding.

Full-Duplex Operation
Bandwidth for each port is effectively doubled, increasing the speed of a 100 Mbps port to 200 Mbps.

Flow Control
Enhances packet transmission by full-duplex flow control and half-duplex back pressure, providing congestion control on busy ports.

Rugged Chassis
Sturdy metal enclosures for added durability.

Straight Forward Diagnostics
Perpetual port status provided via LEDs to simplify troubleshooting.

Standards
Conforms to IEEE 802.3, 802.3u, and 802.3x standards.

MIL-S24T2GPA
Unmanaged Gigabit Switch

(22) 10/100/1000BASE-T Ports
(2) Combo RJ45/SFP Ports

TRANSITION NETWORKS ®

The MIL-S24T2GPA is a hard-working switch that delivers exceptional performance. Combining wire-speed switch fabric together with shared memory architecture design, they eliminate head-of-line blocking and easily out perform other first generation Gigabit switches using old-fashioned "bridge" architecture. Whether you need 10BASE-T, 100BASE-TX or 1000BASE-T, this switch is ready to run with any version of Ethernet over copper cabling.

POWER SUPPLY INCLUDED

Features

- Auto-MDI/MDIX
- Full wire speed reception and transmission with 48 Gbps backplane speed
- 2 SFP Combo Ports for Optical Connectivity
- 802.3x Flow Control
- Full-Duplex Pause
- Half-Duplex Backpressure
- Ruggedized metal chassis with external power supply
- Supports IEEE 802.3x Flow Control for full duplex
- Jumbo Frames Support
- Internal Power Supply
- Front panel LED status indicators

Specifications

Standards	IEEE 802.3ab IEEE 802.3z IEEE 802.3u IEEE 802.3
Connectors	(24) 10/100/1000 Mbps Gigabit Ethernet (10BaseT, 100BaseTX, 1000BaseT): RJ-45 plus 2 SFP combo open slots for 1000Base-x, optical or copper SFP modules
Status Indicators	Power plus LED indicators per RJ-45 port (duplex, link/activity, 10/100 Mbps, 1000 Mbps)
Performance	Backplane Speed: 48 Gbps
Switch Architecture:	Shared memory
Maximum Frame Size:	9 KB Jumbo Frame
Filtering & Forwarding:	Includes multi-layer filtering and forwarding
Forwarding Table:	8K MAC addresses
RAM Buffer:	4 Mbps
Dimensions	Width: 17.3" [440 mm] Depth: 6.33" [161 mm] Height: 1.7" [44 mm]
Weight	8.25 lbs. [3.74 kg]
Protocol:	CSMA/CD
Environment	Operating: 0°C to 40°C Humidity: 10% to 95% (non-condensing)
Power	100 – 240 VAC, 50/60 Hz, internal switching supply
Power Consumption	26.5 Watts (max.)
Compliance	Safety: UL, cUL Emissions: FCC Class A and CE Mark
Waranty	5 Year

Next Generation of Copper and Fiber Switching

The switch provides 48 Gbps Gigabit switching performance with an added benefit of combining copper and fiber interfaces in a compact 1U design. The MIL-S24T2GPA delivers cost-efficient switching capability for 22 ports of Copper Gigabit Ethernet and two combo ports for SFP based Gigabit Ethernet.

Two Combo SFP Ports

The switch enables fiber connectivity through two hot-swappable Small Form-factor Pluggable (SFP) gigabit interfaces.

With Gigabit Ethernet rapidly gaining in popularity, network administrators are demanding higher density 10/100/1000 Mbps switches.

MIL-SM8DPA

Managed Gigabit Switch

(6) 100/1000BASE-X SFP +
(2) Dual Speed SFP/RJ-45 Combo Ports

The Transition Networks MIL-SM8DPA is an 8-port all fiber managed switch features 8 100/1000 dual speed SFP slots, 2 of which are SFP/RJ-45 Combo ports. It can offer Gigabit Fiber links or legacy 100M fiber links by plugged into Giga or 100M SFP modules. It is ideal for high performance fiber access application, such as CPE switch, high speed workgroup backbone.

POWER SUPPLY INCLUDED

Features

- System Interface/Performance 8 100/1000BASE-X SFP Ports 2 of which are10/100/1000Base-T / SFP Combo ports

- RJ-45 port support Auto MDI/MDI-X Function Store-and-Forward Switching ArchitectureJumbo Frame Size up to 9KB VLAN

- Port Based and Tag Based VLAN IEEE 802.1Q VLANs. Up to 4094 entries GVRP Q-in-Q Double Tag

- Port Trunk with LACP

- Support LLDP (Link Layer Discovery Protocol)

- Access Control List (ACL)

- The ACLs are based on Ethernet Type / ARP / IPv4 / MAC / VLAN

- Virtual Stacking Management

- QoS (Quality of Service)

- Support IEEE 802.1p Class of Service

- Support QoS (QCL/QCE) for traffic control

- Per port provides 4 priority queues

- Port Base, Tag Base and Type of Service Priority

Security

- Login Security: IEEE 802.1X

- IP-MAC-PORT binding for security

- TACACS+

- SSH/SSL

- Support IEEE 802.1d Spanning Tree

- Support IEEE 802.1w Rapid Spanning Tree

Specifications

Standards	IEEE 802.3 IEEE 802.3u IEEE 802.3ab IEEE 802.3z IEEE 802.3x IEEE 802.1s IEEE 802.1w IEEE 802.3ad IEEE 802.1p IEEE 802.1x IEEE 802.1Q
Protocols	CSMA/CD
Technology	Store and Forward switching architecture
Connectors	SFP port: 6 x 100/1000Base-X Dual Speed Combo Port: 2 x 10/100/1000Base-T with 2 100/1000 SFP RJ-45 Console port
MAC Address	8K MAC address table
Memory Buffer	816 Kbytes embedded
Jumbo packet	Support 9 Kbytes Jumbo Frame
Network Cable	10BASE-T: 2-pair UTP/STP Cat. 3, 4, 5 cable; EIA/TIA-568 100-ohm (100 m) 100BASE-TX: 2-pair UTP/STP Cat. 5 cable; EIA/TIA-568 100-ohm (100 m); Gigabit Copper: 4 pair UTP/STP CAT. 5 cable EIA/TIA 568 100-ohm (100M)
Backplane	16Gbps
LEDs	Per SFP port: Link/Activity Per Combo port: Link/Activity Per unit: Power
Input Power	Internal power AC 100~240V / 50~60Hz
Power Consumption (DC)	40 Watts max.
Environment	Operating: 0°C to 40°C Humidity: 5% to 90% (non-condensing)
Dimensions	Width: 11.02" [280 mm] Depth: 6.53" [166 mm] Height: 1.73" [44 mm]
Weight	4.5 lbs. [2.41 kg]
Compliance	Safety: UL, cUL Emissions: FCC Class A, CE Mark
Waranty	5 Year

Features(Continued)

- Support IEEE 802.1s Multiple Spanning Tree

- IGMP Snooping V1, V2, V3 and IGMP Proxy

- Multicast VLAN Registration for IPTV

- DHCP Snooping (Including DHCP option 82)

- Web Management

- SNMP v1, V2c, V3

- Telnet/CLI

- Firmware upgrade through Web GUI

- System Configure Restore and Backup through Web GUI

- IPv4/IPv6 Dual stack

- IPv6 NTP/Syslog/DHCP/ICMPV6

- IPv6 SNMP/HTTP/Telnet/SSH/802.1x/

- TACACS+/ACL

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SM4T4DPA

Managed Layer 2 Gigabit Switch

(4) 10/100/1000Base-T ports +
(4) 100/1000 SFP slots

This switch is a high performance Layer 2 managed switch with 4 10/100/1000 copper ports and 4 dual speed 100/1000BASE-X slots.

Features

- Support Jumbo Frame up to 9K bytes
- Authentication – RADIUS 802.1x, TACACS+
- Security - Support SSH/SSL
- Port based or tagged (802.1Q) VLAN, QinQ double tag VLAN, Guest VLAN
- Bandwidth Allocation Ingress and Egress
- DHCP Snooping including option 82
- IP-MAC binding for security
- ACL based on Ethernet Type / ARP / IPV4 for packets permit or deny, rate limitationand port copy
- LLDP (Link Layer Discovery Protocol)
- Syslog for device management
- IEEE 802.3az Energy Efficiency
- Single IP management

Specifications

Standards	IEEE 802.3 IEEE 802.3u IEEE 802.3z 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 80.1AB
Protocols	CSMA/CD
Technology	Store and Forward switching architecture
Connectors	1 RJ-45 Console port 4 10/100/1000 RJ-45 4 100/1000 SFP slots
MAC Address	8K MAC address table
Back Plane	16 Gbps
Dimensions	Width: 8.66" [220 mm] Depth: 6.26" [159 mm] Height: 1.69" [44 mm]
Weight	3.85 lbs. [1.75 kg]
Input Power	Internal power: 100-240VAC
Environment	Operating: 0°C to 40°C Humidity: 5%– 90% (non-condensing)
Compliance	Safety: LVD Emissions: FCC Class A; CE
Warranty	Lifetime

POWER SUPPLY INCLUDED

Features (Continued)

- Web Management, SNMP V1/V2c/V3, Telnet, CLI
- Supports IEEE 802.3ad port trunk with link aggregation control protocol (LACP).
- Support IGMP Snooping V1/V2/V3, IGMP Proxy and GVRP
- Supports 8 hardware queues with Strict priority and WRR. Per port bandwidth management
- Supports IEEE 802.1s MSTP, IEEE802.1w RSTP and IEEE802.1d STP Compliant
- Port Based VLAN, IEEE 802.1Q tag-based, 4096 VLAN entries, MAC-based VLAN, Private VLAN Edge, Priority VLAN override
- Firmware Update, configure backup/restore through Web GUI and TFTP
- Support IPV4/IPV6 dual protocol stack
- Redundant Ring Protection Protocol

SM10T2DPA

Managed Layer 2 Gigabit Swithch

8-port 10/100/1000Base-T + (2) 100/1000 SFP/RJ-45 ports

TRANSITION NETWORKS®

This switch is a high performance Layer 2 managed switch with 8-port 10/100/1000 copper ports and 2 dual speed 100/1000BASE-X SFP/RJ-45 Combo slots.

Key Benefits

- Secure and high performance connections

- Flexible copper/fiber dual uplinks

- Unified communications with open standard

POWER SUPPLY INCLUDED

Features

- Support Jumbo Frame up to 9K bytes

- Authentication – RADIUS 802.1x, TACACS+

- Security - Support SSH/SSL

- Port based or tagged (802.1Q) VLAN, QinQ double tag VLAN, Guest VLAN

- Bandwidth Allocation Ingress and Egress

- DHCP Snooping including option 82

- IP-MAC binding for security

- ACL based on Ethernet Type / ARP / IPV4 for packets permit or deny, rate limitation and port copy

- LLDP (Link Layer Discovery Protocol)

- Syslog for device management

- IEEE 802.3az Energy Efficiency

Specifications

Standards	IEEE 802.3 IEEE 802.3u IEEE 802.3z 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 80.1AB
Protocols	CSMA/CD
Technology	Store and Forward switching architecture
Connectors	1 RJ-45 Console Port 8 10/100/1000 RJ-45 2 100/1000 SFP/RJ-45 ports
MAC Address	8K MAC address table
Back Plane	20 Gbps
Dimensions	Width: 11.02" [280 mm] Depth: 6.53" [166 mm] Height: 1.73" [44 mm]
Weight	4.2 lbs. [1.90 kg]
Input Power	Internal power: 100-240VAC
Environment	Operating: 0°C to 40°C Humidity: 5%– 90% (non-condensing)
Compliance	Safety: LVD Emissions: FCC Class A; CE
Warranty	Lifetime

Features (Continued)

- Web Management, SNMP V1/V2c/V3, Telnet, CLI

- Supports IEEE 802.3ad port trunk with link aggregation control protocol (LACP).

- Support IGMP Snooping V1/V2/V3, IGMP Proxy and GVRP

- Supports 8 hardware queues with Strict priority and WRR. Per port bandwidth management

- Supports IEEE 802.1s MSTP, IEEE 802.1w RSTP and IEEE 802.1d STP Compliant

- Port Based VLAN, IEEE 802.1Q tag-based, 4096 VLAN entries, MAC-based VLAN, Private VLAN Edge Priority VLAN override

- Firmware Update, configure backup/restore through Web GUI and TFTP

- Support IPV4/IPV6 dual protocol stack

S8TXATA

Unmanaged Fast Ethernet PoE Switch

8-port 10/100/Base-TX PoE+

The S8TXATA, 8-port Fast Ethernet switch, integrates 100Mbps Fast Ethernet and 10Mbps Ethernet network capabilities.

Featuring IEEE 802.3af and IEEE 802.3at compliant Power-over-Ethernet capability over 8 ports.

The S8TXATA is easy to install and does not require configuration. The PoE ports automatically detect and supply power to devices.

POWER SUPPLY INCLUDED

Features

- Auto Negotiation
- Wire-speed packet filtering and forwarding rate
- Supports IEEE 802.3x flow control for Full duplex mode
- Supports IEEE 802.1p QoS
- Fanless Design
- LED indicators for monitoring power, link, activity and speed
- Supports IEEE 802.3az Energy-Efficient Ethernet

PoE Features

- Compliant with IEEE 802.3at PoE+
- Compliant with IEEE 802.3af PoE
- Provide up to 30w to PD
- Total PoE budget 120w

Specifications

Standards	IEEE 802.3 IEEE 802.3u IEEE 802.1p IEEE 802.3x IEEE 802.3af IEEE 802.3at IEEE 802.3az
Protocols	CSMA/CD
Technology	Store and Forward switching architecture
Connectors	8 10/100 RJ-45 ports
MAC Address	2K MAC address table
Back Plane	1.6 Gbps
Dimensions	Width: 11.02" [280 mm] Depth: 7.04" [179 mm] Height: 1.75" [44.5 mm]
Weight	4.65 lbs. [2.10 kg]
Input Power	Internal power: 100-240VAC
Power Consumption	130 watts (full PoE load)
Power over Ethernet	Maximum output power 120 watts Maximum output power per port up to 30w Provide power on all 8 copper ports
Environment	Operating: 0°C to 50°C Humidity:10% to 90% (non-condensing)
Compliance	Safety: LVD Emissions: FCC Class A, CE
Warranty	Lifetime

Features (Continued)

Connect and power Wireless Access Points, Network Cameras and VoIP Phones

- Provide power to remote devices over an Ethernet network
- Provide enough power to increasingly power-hungry devices
- Offer a Unified Communications device with an open standard
- Fan-less design offers a 100% silent switch option for offices and classrooms

- Managed Switch
- 8 ports with full PoE functionality; power limit per classification
- Dual Speed 100/1000 SFP slot
- AC and DC power inputs
- Supports SNMP v1, v2c and v3
- Power over unused pins for legacy support
- Optional Reverse Polarity Cable

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MIL-SM8TXAF2GPA

Managed Fast Ethernet PoE Switch

8-port 10/100BASE-TX + (2)SFP Combo Ports

TRANSITION NETWORKS ®

The MIL-SM8TXAF2GPA connects remote PoE segment to the network over fiber. The switch delivers a full 15.4 Watts of DC power on each of the eight PoE switch ports. PoE ports provide data connection and the power source (PSE) for such PoE PD devices as Wireless Access Points, VoIP phones and Network Cameras. The series includes a PD signature sensing and power monitoring features per the IEEE 802.3af standard. Other PoE features include Over-Current Protection and Under-Current Detection. The series is fully compatible with devices that comply with the IEEE 802.3af standard and it is capable of inserting power on the unused pairs of the MDI.

POWER SUPPLY INCLUDED

Features

- IGMP v1 & v2
- 8-port 10/100 Base-TX plus 100Base-FX/1000 Base-X SFP or 10/100/1000 copper combo
- 8 ports with integrated PoE injectors
- X-Ring Technology
- IEEE Std. 802.3af Compliance
- Full 15.4 Watts per port
- PoE Legacy and Reverse Polarity Support
- Non-blocking switching architecture
- IEEE 802.1p Class of service
- IPv4 IP TOS and DiffServ QoS classification, IPv6 Traffic class with 4 queues per port
- IEEE 802.1q VLAN, up tp 256 groups, VLAN tagging ID up to 4096.
- Static MAC, 100 entries
- IEEE 802.1x
- RADIUS client
- DHCP Client and Server, SNTP
- Auto MDI-MDIX
- IGMP/GVRP
- Port Mirroring
- 8K MAC Address
- Telnet/Web-Based management
- TFTP Firmware Upgrade and configuration backup

Specifications

Standards	IEEE Std. 802.3 IEEE Std. 802.3u IEEE Std. 802.3x IEEE Std. 802.3ad IEEE Std. 802.1Q IEEE Std. 802.3ab IEEE 802.3z IEEE 802.3af IEEE Std. 802.1p IEEE Std. 802.1d IEEE Std. 802.1w IEEE Std. 802.1X
Protocols	CSMA/CD
Technology	Store and Forward switching architecture
Transfer Rate	14,880 pps for 10 Mbps 148,800 pps for 100 Mbps 1,488,000 pps for Gigabit Fiber Ethernet Port
Connectors	10/100 copper: 8x RJ-45 with Auto-MDIX Fiber: Two dual speed SFP ports 100BASE-FX/1000 BASE-X
MAC Address	8K MAC address table
Network Cable	10BASE-T: 2-pair UTP/STP Cat. 3, 4, 5 cable; EIA/TIA-568 100-ohm (100 m) 100BASE-TX: 2-pair UTP/STP Cat. 5 cable; EIA/TIA-568 100-ohm (100 m)
Backplane	5.6 Gbps
LEDs	RJ-45 port: 10/100; Link/Activity; Full duplex/Collision Fiber: Link/Activity Power: On/Off POE: PWR FWD
Power Supply	Built-in AC power supply: AC 100~240V, 50/60 Hz, 200 Watts; Optional External AC/DC Power Supply 48 VDC Input
Power Consumption	(DC) 20 Watts (Non-POE functions)
Environment	Operating: 0°C to 45°C Humidity: 10% to 90% (non-condensing)
Dimensions	Width: 11" [280 mm] Depth: 8.3" [211 mm] Height: 1.7" [44 mm]
Weight	5.7 lbs. [2.58 kg]
Compliance	Safety: UL, cUL Emissions: FCC Class A, CE Mark
Waranty	5 Year

Features (Continued)

Management features include port based, dynamic and static VLANs, GVRP, VLAN tagging, IGMP Snooping or querying, port mirroring, port security. Security includes static addressing, filtering and blocking of packets to identified MAC addresses. Four priority queues insure minimum delay for voice over IP or multimedia network data.

Non-blocking 5.6 Gbps architecture assures rapid packet delivery while 8,000 MAC address table provides swift lookup and packet forwarding.

SM8TAF2DPA

Managed Gigabit PoE Switch

8-port 10/100/1000Base-T + (2) (100/1000) Dual Speed SFP ports

TRANSITION NETWORKS ®

The SM8TAF2DPA is a 10-port Gigabit Ethernet smart switch providing 8-port 10/100/1000 IEEE 802.3af Power-Over-Ethernet capability, and it has 2 additional dual Speed SFP ports.

POWER SUPPLY INCLUDED

Features

- Support Jumbo Frame up to 9K bytes
- Authentication – RADIUS 802.1x
- Security - Support SSH/SSL
- Port based or tagged (802.1Q) VLAN
- Bandwidth Allocation
- DHCP Snooping including option 82
- LLDP (Link Layer Discovery Protocol)
- Port Mirroring
- Port Security, MAC Filter/IP Filter
- Loop detection and prevention

PoE Features

- Compliant with IEEE 802.3at PoE+
- Compliant with IEEE 802.3af PoE
- Supplier 53 – 58v DC power to PD
- Provide up to 30w output for 2 ports or up to 15w output for 4 ports or up to 7.5w for 8 ports
- **Power Management:**
  - Enable/Disable per port
  - Priority setting per port
  - Overloading Protection per port
  - Power Level setting per port

Specifications

Standards	IEEE 802.3 IEEE 802.3u IEEE 802.3z 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 802.3af IEEE 802.3at
Protocols	CSMA/CD
Technology	Store and Forward switching architecture
Connectors	8 10/100/1000 RJ-45 2 100/1000 SFP ports
MAC Address	8K MAC address table
Back Plane	20 Gbps
Dimensions	Width: 12.99" [330 mm] Depth: 8.03" [204 mm] Height: 1.69" [43 mm]
Weight	9 lbs. [4.82 kg]
Input Power	Internal power: 100-240VAC
Power-over-Ethernet	Maximum PoE power budget 75 Watts Maximum output power per port up to 30w Data-pairs mode Maximum current: 1.7A Provide power on all 8 copper ports
Environment	Operating: 0°C to 50°C Humidity: 10%– 90% (non-condensing)
Compliance	Safety: CSA certified Emissions: FCC Class A; CE
Warranty	Lifetime

Features (Continued)

- Web Management, Telnet, SNMP V1/V2c /V3
- Supports IEEE 802.3ad port trunk with link aggregation control protocol (LACP). The trunk group up to 5 and maximum trunk port member up to 8 ports.
- Support IGMP Snooping V1/V2/V3, IGMP immediate leave
- Supports 8 egress queues per port enable differentiated management of up to 8 traffic types. Strict scheduling and WRR
- Supports IEEE 802.1s MSTP,IEEE 802.1w RSTP and IEEE 802.1d STP
- Port Based VLAN, IEEE 802.1Q tag-based, QinQ, 4094 VLAN entries, Voice VLAN, Private VLAN
- Firmware Update, configure backup/restore through Web GUI
- lSupport IPV4/IPV6 dual protocol stack

SM8TAT2DPA

Managed Layer 2 Gigabit PoE Switch

8-port 10/100/1000Base-T
(2) 100/1000 SFP/RJ-45 ports

TRANSITION
NETWORKS ®

This switch is a high performance Layer 2 managed PoE Plus switch with 8 port 10/100/1000. Full IEEE 802.3af Power-Over-Ethernet capability with 2 additional RJ-45 (100/1000) SFP combo ports.

Key Benefits

• Secure and high performance connections

• Flexible copper/fiber dual uplinks

• Unified communications with open standard

Features

• Support Jumbo Frame up to 9K bytes

• Authentication – RADIUS 802.1x, TACACS+

• Security - Support SSH/SSL

• Port based or tagged (802.1Q) VLAN, QinQ double tag VLAN, Guest VLAN

• Bandwidth Allocation Ingress and Egress

• DHCP Snooping including option 82

• IP-MAC binding for security

• ACL based on Ethernet Type / ARP / IPV4 for packets permit or deny, rate limitation and port copy

• LLDP (Link Layer Discovery Protocol)

• Syslog for device management

• IEEE802.3az Energy Efficiency LLDP

• Compliant with IEEE 802.3af Power over Ethernet and IEEE 802.3at Power over Ethernet Plus

• Advanced PoE Management functions

• PoE detection mode, PoE Autocheck, PoE power delay and PoE Scheduling

• Power cord safety clip is included

Specifications

Standards	IEEE 802.3
	IEEE 802.3u
	IEEE 802.3z
	IEEE 802.3x
	IEEE 802.3ad
	IEEE 802.1D
	IEEE 802.1w
	IEEE802.1s
	IEEE 802.1Q
	IEEE 802.1p
	IEEE 802.1ad
	IEEE 80.1AB
	IEEE 802.3af
	IEEE 802.3at
Protocols	CSMA/CD
Technology	Store and Forward switching architecture
Connectors	1 RJ-45 Console Port
	8 10/100/1000 RJ-45
	2 100/1000 SFP/RJ-45 ports
MAC Address	8K MAC address table
Back Plane	20 Gbps
Dimensions	Width: 11.02" [280 mm]
	Depth: 6.53" [166 mm]
	Height: 1.73" [44 mm]
Weight	6 lbs. [2.72 kg]
Input Power	Internal power: 100-240VAC
	Power over Ethernet Maximum output power 130 watts 30 w for four-ports similtaneously 15.4 w for all eight ports similtaneously
Environment	Operating: 0°C to 40°C
	Humidity: 5%– 90% (non-condensing)
Compliance	Safety: LVD
	Emissions: FCC Class A; CE
Warranty	Lifetime

POWER SUPPLY INCLUDED

Features (Continued)

• Web Management, SNMP V1/V2c/V3, Telnet, CLI

• Supports IEEE 802.3ad port trunk with link aggregation control protocol (LACP).

• Support IGMP Snooping V1/V2/V3, IGMP Proxy and GVRP

• Supports 8 hardware queues with Strict priority and WRR . Per port bandwidth management

• Supports IEEE 802.1s MSTP,IEEE 802.1w RSTP and IEEE 802.1d STP Compliant

• Port Based VLAN, IEEE 802.1Q tag-based, 4096 VLAN entries, MAC-based VLAN, Private VLAN Edge Priority VLAN override

• Firmware Update, configure backup/restore through Web GUI and TFTP

• Support IPV4/IPV6 dual protocol stack

SM24TAT4GPA

Managed Gigabit PoE Switch

20) 10/100/1000Base-T ports +
(4) SFP /RJ-45 Combo PortsSFP Port

TRANSITION NETWORKS ®

The SM24TAT4GPA is a high performance Web managed PoE switch with 24 auto-sensing 10/100/1000BASE-T RJ-45 ports, 4 of which are SFP/RJ-45 combo ports. It supports IEEE 802.3at PoE Plus on all 10/100/1000 copper ports to enable the easy installation of PoE devices such as IP Phones and IP Cameras.

POWER SUPPLY INCLUDED

Features

- Port based or tagged (802.1Q) VLAN, management VLAN

- Jumbo frame up to 9KB

- Port Mirroring

- Loop Detection

- Broadcast Storm Protection

- Power-over-Ethernet

- Comply to IEEE 802.3at PoE Plus Comply to IEEE 802.3af PoE

- Maximum output power per port 30W PoE budget : 370W

- 30W PoE per port available to 12 ports 15.4W PoE per port available to all 24 ports

Specifications

Standards	IEEE 802.3 IEEE 802.3u IEEE 802.3z IEEE 802.3x IEEE 802.3af IEEE 802.3at IEEE 802.3ad IEEE 802.1D IEEE 802.1w IEEE 802.1Q IEEE 802.1p
Protocols	CSMA/CD
Technology	Store and Forward switching architecture
Connectors	24 10/100/1000 RJ-45 4 Giga SFP ports
MAC Address	8K MAC address table
Back Plane	4 100/1000 SFP ports
Buffer	500Kbps
Dimensions	Width: 17.4" [442 mm] Depth: 8.31" [211mm] Height: 1.7" [44 mm]
Weight	9.15 lbs. [4.15 kg]
Input Power	Internal power: 100-240VAC
Power Consumption	16 Watts maximum (without PoE)
Power over Ethernet	Maximum PoE budget 370 Watts 30w for 12 ports simultaneously 15.4w for 24 ports simultaneously
Environment	Operating: 0°C to 40°C Humidity: 10%– 90% (non-condensing)
Compliance	Safety : LVD Emissions: FCC Class A; CE
Warranty	Lifetime

Features (Continued)

- Web Management, SNMP

- Supports static port trunk up to 12 groups with 24 ports per group

- Support IGMP Snooping V1/V2c

- Supports 8 hardware queues, Queue assignment based on DSCP and 802.1p COS. Classification: Port based, 802.1p VLAN priority based, DSCP based; Diffserv

- Supports IEEE 802.1w RSTP and IEEE 802.1d STP

- Support IEEE 802.3az Energy Efficient Ethernet

SM24TAT4XA

Managed Gigabit PoE+ Switch

24-port 10/100/1000Base-T + (4) 1G/10G SFP+

TRANSITION NETWORKS®

This SM24TAT4XA is a high performance managed switch with 128 Gbps switching capacity. It provides (24) 10/100/1000 copper ports with IEEE 802.3at PoE Plus capability, and it has additional (4)1G/10G dual speed SFP+ slots to support up to (4) 10G uplinks.

Features

- Supports Jumbo Frame up to 9K bytes

- Authentication – RADIUS 802.1x, TACACS+

- Security - Support SSH/SSL

- Rate limiting: Ingress policer, egress shaping and rate control; per VLAN, per port and flow based

- DHCP Relay including option 82

- ACL: based on source and destination MAC / VLAN ID/ IP address / Protocol / port / DSCP / IP Precedence / TCP/UPD source and destination ports / 802.1p / Ethernet type / ICMP packets / IGMP packets / TCP flag

- LLDP (Link Layer Discovery Protocol)

- IEEE 802.3az Energy Efficiency

- IP Source Guard, Port Security

PoE Features

- Compliant with IEEE 802.3at PoE+

- Compliant with IEEE 802.3af PoE

- 802.1AB LLDP-MED Configuration

- Power delay and PoE Scheduling

- Auto PoE Reset (APR)

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 802.1v IEEE 802.1p IEEE 802.1ad IEEE 802.1AB IEEE 802.3af IEEE 802.3at
Protocols	CSMA/CD
Technology	Store and Forward switching architecture
Connectors	1 DB-9 Console Port 24 10/100/1000 RJ-45 4 1G/10G SFP+ slots
MAC Address	32K MAC address table
Memory Buffer	4Mbits
Back Plane	128 Gbps
Dimensions	Width: 17.40" [442 mm] Depth: 15.15" [385 mm] Height: 1.73" [44 mm]
Weight	9.6 lbs. [4.35 kg]
Input Power	Internal Power: 100 - 240VAC Power consumption : 50 Watts maximum (without PoE)
Power over Ethernet	Maximum PoE budget 370 Watts 30 w for 12 ports simultaneously 15.4w for 24 ports simultaneously
Environment	Operating: 0°C to 40°C Humidity: 10% to 90% (non-condensing)
Compliance	Safety : LVD Emissions: FCC Class A; CE Mark
Warranty	Lifetime

POWER SUPPLY INCLUDED

Features (Continued)

- Web Management, SNMP V1/V2c/V3, Telnet, CLI

- Supports IEEE 802.3ad port trunk with link aggregation control protocol (LACP). Supports up to 14 groups with 8 ports per group.

- Supports IGMP Snooping V1/V2/V3, GVRP, IGMP Proxy, IGMP Querier and MLD snooping V1/V2

- Supports 8 hardware queues, Strict priority and WRR . Queue assignment based on DSCP and 802.1p CoS; IPV4/IPv6 precedence/Type of Service / DiffServ / classification and remarking ACLs, trusted QoS

- IEEE 802.1s MSTP, IEEE802.1w RSTP and IEEE 802.1d STP Compliant

- Port Based VLAN, IEEE 802.1Q tag-based, up to 4k VLAN entries, QinQ, MAC-based VLAN, Private VLAN Edge, Management VLAN, Voice VLANs

- Firmware Update, configure backup/restore through HTTP/TFTP/Console

- Supports IPV4/IPV6 dual protocol stack

- Hardware stacking capability with 10G SFP+ cable

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