



MILAN managed switch

# MIL-SM8TXAF2GPA

## 8-port 10/100BASE-TX



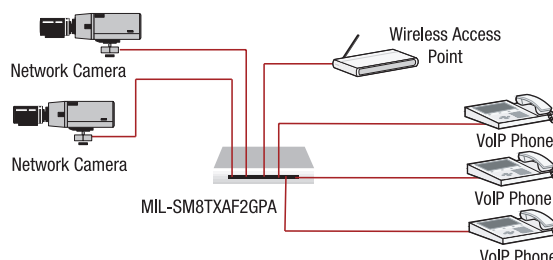
### Features

- ▶ 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 to 256 groups, VLAN tagging ID up to 4096.
- ▶ Static MAC, 100 entries
- ▶ IEEE 802.1x
- ▶ RADIUS client
- ▶ DHCP Client and Server, SNMP
- ▶ Auto MDI-MDIX
- ▶ IGMP/GVRP
- ▶ Port Mirroring
- ▶ 8K MAC Address
- ▶ Telnet/Web-Based management
- ▶ TFTP Firmware Upgrade and configuration backup

### (8) 10/100 ports + (2) SFP/RJ-45 Combo ports

- ▶ 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

### Connect and Power Wireless Access Points, Network Cameras and VoIP



### Specifications

Standards	IEEE Std. 802.3 10BASE-T 10 Mbps, Half/Full Duplex; IEEE Std. 802.3u 100BASE-TX, 10/100 Mbps, Half/Full Duplex; IEEE Std. 802.3x Flow control and Back-pressure; IEEE Std. 802.3ad Link Aggregation; IEEE Std. 802.1Q VLAN Tagging; IEEE Std. 802.3ab 1000BASE-T IEEE 802.3z Gigabit Fiber IEEE 802.3af Power-over-Ethernet IEEE Std. 802.1p Class of service; IEEE Std. 802.1d Spanning Tree Protocol; IEEE Std. 802.1w Rapid Spanning Tree Protocol; IEEE Std. 802.1X Authentication Protocol
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	<b>10/100 copper:</b> 8x RJ-45 with Auto-MDIX <b>Fiber:</b> Two dual speed SFP ports 100BASE-FX/1000 BASE-X
MAC Address	8K MAC address table
Network Cable	<b>10BASE-T:</b> 2-pair UTP/STP Cat. 3, 4, 5 cable; EIA/TIA-568 100-ohm (100 m) <b>100BASE-TX:</b> 2-pair UTP/STP Cat. 5 cable; EIA/TIA-568 100-ohm (100 m)
Backplane	5.6 Gbps
LEDs	<b>RJ-45 port:</b> 10/100; Link/Activity; Full duplex/Collision <b>Fiber:</b> Link/Activity <b>Power:</b> On/Off <b>POE:</b> 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)
Operating Temperature	0° to 45°C (32° to 113°)
Operating Humidity	10% to 90% (non-condensing)
Dimensions	<b>Width:</b> 11" [280 mm] <b>Depth:</b> 8.3" [211 mm] <b>Height:</b> 1.7" [44 mm]
EMI	FCC Class A, CE Mark
Safety Compliance	UL, cUL
Technical Support & Warranty	Free technical support and advanced warranty support for 5 years. Includes free telephone support, 24-hour support via web and FTP.

### Ordering Information

#### MIL-SM8TXAF2GPA

8-port 10/100 PoE Remotely Managed switch with (2) SFP Combo ports  
Dual speed SFP ports (100/1000)

Optional Accessories (sold separately)

#### SFP Modules

#### Mounting Brackets

#### MIL-RMSM8TX

19" Rack Mount Bracket

#### MIL-BRSM8TX

Wall Mount Bracket

For larger port-count PoE applications, please refer to our 24-port remotely-managed PoE switch:

**MIL-SM2401MAF**  
**SISPM1040-126D-LRT**

For smaller port-count PoE applications, please refer to our PoE media conversion products:

**SPOEB10xx-100**  
**SGPOE10xx-1x0**  
**MIL-SM802GAF**  
**SISTP10xx-141-LRT**

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 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.

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.