

## (24) 10/100 ports + (2) SFP/RJ-45 Combo ports



- ▶ Managed PoE Switch
- ▶ 24 ports with full PoE functionality; power limit per classification
- ▶ High Back-plane bandwidth 8.8Gbps
- ▶ IGMP v1, v2
- ▶ Auto-MDIX on all ports
- ▶ Port Mirroring

## MIL-SM2401MAF



## Features

- ▶ 15.4W POE per port available to 12 ports
- ▶ 7.7W POE per port available to 24 ports
- ▶ Enable/Disable PoE function
- ▶ Power limit by classification
- ▶ Power limit by management power feeding priority
- ▶ Legacy Power Signature Detection for unique electrical signatures
- ▶ Auto-Negotiation
- ▶ True non-blocking switching
- ▶ 8K MAC address table
- ▶ Back pressure and flow control
- ▶ Store and forward switching architecture
- ▶ 384Kbytes memory buffer

- ▶ **Management:** Console port, Web-based GUI, telnet and SNMP
- ▶ **Firmware update:** TFTP firmware upgrade
- ▶ **Port Trunk:** Supports IEEE 802.3ad with LACP function. Up to 7 trunk groups and group member up to 4.
- ▶ **VLAN:** Supports port based VLAN, up to 256 static VLAN groups and up to 2048 dynamic VLAN groups. VLAN tagging up to 4094. Compatible with IEEE 802.1Q and IEEE 802.1v
- ▶ **Quality of Service:** Support port based, Tag based and IPv4 ToS
- ▶ **Class of Service:** Supports 802.1p class of service with 2-level priority queuing.
- ▶ **Spanning Tree:** Supports IEEE 802.1w rapid spanning tree and IEEE 802.1d spanning tree.
- ▶ **Port Mirror:** Supports RX, TX and Both packet mirror
- ▶ **IGMP:** Supports IGMP V1, V2
- ▶ **Broadcast Storm:** Only allows a percentage of port's total bandwidth before broadcast traffic is dropped. Enable/Disable, 5%, 10%, 20%, 25%

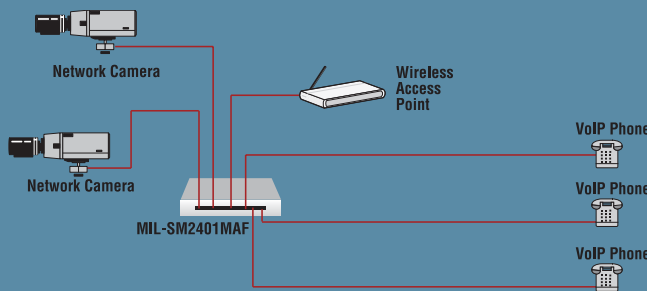
The MIL-SM2401MAF Power-over-Ethernet series of layer 2 managed switches provides high performance non-blocking switching. The switch has (24) auto-sensing 10/100 auto MDI/MDIX ports with full PoE functionality. The switch also has (2) SFP Gigabit ports.

Management features include port based, dynamic and static VLANs, GVRP, IGMP, port mirroring, and port security. Security includes static addressing, filtering and blocking of packets to identified MAC address. Two priority queues per port insure minimum delay for voice over IP or multimedia network data. Console port provides local management while Telnet and Web-based management is provide via any network device.

Non-blocking 8.8Gbps architecture assures rapid packet delivery while 8,000 MAC address table provides swift lookup and packet forwarding.

Other ASIC features that enhance performance are included such as 802.1d spanning tree, 802.3x flow control, 802.3ad link aggregation and broadcast storm control.

## Connect and power Wireless Access Points, Network Cameras and VOIP



## Ordering Info

**MIL-SM2401MAF**

24-port 10/100 PoE Remotely Managed switch with (2) SFP/RJ-45 Combo ports (Gigabit SFP ports) Includes 19" Rackmount ears

## Optional Accessories

(sold separately)

**SFP Modules**

## Specifications

Standards	IEEE Std. 802.3 10BASE-T 10Mbps, Half/Full Duplex; IEEE Std. 802.3u 100BASE-TX, 10/100Mbps, Half/Full Duplex; IEEE Std. 802.3af Power-over-Ethernet IEEE Std. 802.1w Rapid Spanning Tree Protocol IEEE Std. 802.3z Gigabit SX/LX IEEE Std. 802.3ab Gigabit 1000T IEEE Std. 802.3x Flow control and Back-pressure; IEEE Std. 802.3ad Link Aggregation; IEEE Std. 802.1Q VLAN Tagging; IEEE Std. 802.1p Class of service; IEEE Std. 802.1d Spanning Tree Protocol; IEEE Std. 802.1X Authentication Protocol
Protocols	CSMA/CD
Technology	Store and Forward switching architecture
Transfer Rate	14,880 pps for 10Mbps 148,800 pps for 100Mbps
Connectors	<b>10/100 copper:</b> 24x RJ-45 with Auto-MDIX, Two SFP Gigabit ports/RJ-45 10/100/1000BASE-T
MAC Address	8K MAC address table
Memory Buffer	384Kbytes (3Mbits)
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	8.8Gbps
LEDs	<b>RJ-45 port:</b> 10/100; Link/Activity; Full duplex/Collision <b>Fiber:</b> Link/Activity <b>Power:</b> On/Off
Power Supply	Built-in AC power supply: AC 90~240V, 50/60Hz, 200W; Extra power input: DC 48V
Power Consumption	20W Maximum with additional DC power input
Operating Temperature	0° to 40°C (32° to 96°)
Operating Humidity	10% to 90% (non-condensing)
Dimensions	<b>Width:</b> 17.0" [440 mm] <b>Depth:</b> 11.0" [280 mm] <b>Height:</b> 1.7" [44 mm]
EMI	FCC Class A, CE Mark
Safety Compliance	UL, cUL

## Technical Support &amp; Warranty

Free technical support and advanced warranty support for 5 years. Includes free telephone support, 24-hour support via web and ftp.