

## (20) 10/100/1000 ports + (4) RJ-45/SFP Combo ports

- ▶ 4 Gigabit SFP ports
- ▶ IEEE802.1x User Authentication
- ▶ SNMP v1 and v2c support
- ▶ IGMP v1, v2

## MIL-SEM24T4GPA

**NEW**



### Additional Features

- ▶ TFTP configuration backup and restore
- ▶ CSMA/CD
- ▶ DHCP Client
- ▶ Quality of Service (QoS)
- ▶ Bandwidth control
- ▶ Broadcast/Multicast Packet Filter Control
- ▶ Ingress Packet Filter and Egress Rate Limit
- ▶ Port trunk with LACP
- ▶ Auto-Negotiation
- ▶ Auto-MDIX on all ports
- ▶ 10K Jumbo Frame support
- ▶ True non-blocking switching
- ▶ 8K MAC address table
- ▶ Back pressure half-duplex
- ▶ Flow control full-duplex
- ▶ Store and forward switching architecture
- ▶ 48Gbps backplane
- ▶ 500Kbytes memory buffer

### Reporting Features

- ▶ **Management:** SNMPv1, SNMP v2c, Telnet, Console (CLI) Web Management
- ▶ **Firmware update:** TFTP firmware upgrade
- ▶ **System default:** Restore function for system default
- ▶ **Port Trunk:** Supports IEEE802.3ad port trunk with link aggregation control protocol (LACP). 8 trunk groups / 12 trunk members maximum.
- ▶ **VLAN:** Port based VLAN; IEEE802.1Q Tag VLAN (255 entries) / VLAN ID (VLAN ID can be assigned from 1 to 4094).
- ▶ **Quality of Service/Class of Service:** Supports IEEE 802.1p Class of Service; Per port provides 4 priority queues; Port Base, Tag Base and Type of Service Priority
- ▶ **Spanning Tree:** Supports IEEE802.1w rapid spanning tree and IEEE 802.1d spanning tree
- ▶ **Port Mirror:** Supports RX packet mirror
- ▶ **IGMP:**
  - Supports IGMP V1, V2,
  - Supports 255 multicast groups
- ▶ **Broadcast Storm:** Enable/Disable, 5%, 10%, 20%, 25%
- ▶ **SNMP Trap:**
  - Device coldstart
  - Port Link up/Link down
  - Up to 1 trap station

### Specifications

Standards	IEEE Std. 802.3 10BASE-T; IEEE Std. 802.3u 100BASE-TX; IEEE Std. 802.3ab 1000BASE-T; IEEE Std. 802.3z Gigabit fiber; IEEE Std. 802.3x Flow control and Back-pressure; IEEE Std. 802.1ad Link Aggregation; IEEE Std. 802.1q VLAN Tagging IEEE Std. 802.1p Class of service IEEE Std. 802.3ad Port trunk with LACP; IEEE Std. 802.1d Spanning Tree Protocol; IEEE Std. 802.1w Rapid spanning tree; 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 1,488,000 pps for 1000Mbps
Connectors	RS232 Console: Female DB-9 24 10/100/1000 RJ-45 4 SFP ports - shared with RJ-45 ports 21, 22, 23 and 24
MAC Address	8K MAC address table
Memory Buffer	500Kbytes
Jumbo packet support	Max 10Kbytes jumbo packet size
Network Cable	10BASE-T: 2-pair UTP/STP Cat. 3, 4, 5 cable; EIA/TIA-568 100-ohm (100 m) IEEE Std. 802.3u 100BASE-TX, 10/100Mbps, BASE-TX: 100-ohm (100 m) Gigabit Copper: 4-pair UTP/STP Cat 5 cable EIA/TIA-568 100-ohm (100 m)
Backplane	48Gbps
LEDs	<b>RJ-45 port:</b> Link/Activity; 1000 - port operating at 1000Mbps <b>Fiber:</b> Link/Activity <b>Power:</b> On/Off
Power Supply	Built-in AC power supply: AC 100~240V, 50/60Hz
Power Consumption	17.9 watts max.
Operation Temperature	0° to 45°C (32° to 113°F)
Operation Humidity	10% to 95% (non-condensing)
Dimensions	<b>Width:</b> 17.0" [440 mm] <b>Depth:</b> 6.4" [161 mm] <b>Height:</b> 1.7" [44 mm]
EMI	FCC Class A, CE Mark
Safety Compliance	UL, cUL

### Ordering Info

#### MIL-SEM24T4GPA

20-port 10/100/1000  
Remotely Managed switch  
with (4) RJ-45/SFP combo ports

MILAN BY  
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