

MILAN managed switch

MIL-SM8DPA

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

Features

System Interface/Performance

- ▶ 8 100/1000BASE-X SFP Ports
- ▶ 2 of which are 10/100/1000Base-T / SFP Combo ports
- ▶ RJ-45 port support Auto MDI/MDI-X Function
- ▶ Store-and-Forward Switching Architecture
- ▶ Jumbo Frame Size up to 9KB

VLAN

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

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: IEEE802.1X
- ▶ IP-MAC-PORT binding for security
- ▶ TACACS+
- ▶ SSH/SSL

Spanning Tree

- ▶ Support IEEE802.1d Spanning Tree
- ▶ Support IEEE802.1w Rapid Spanning Tree
- ▶ Support IEEE802.1s Multiple Spanning Tree

IGMP Snooping V1, V2, V3 and IGMP Proxy

Multicast VLAN Registration for IPTV

DHCP Snooping (Including DHCP option 82)

Management

- ▶ Web Management
- ▶ SNMP v1, V2c, V3
- ▶ Telnet/CLI

Firmware and Configuration

- ▶ Firmware upgrade through Web GUI
- ▶ System Configure Restore and Backup through Web GUI

IPv6

- ▶ IPv4/IPv6 Dual stack
- ▶ IPv6 NTP/Syslog/DHCP/ICMPV6
- ▶ IPv6 SNMP/HTTP/Telnet/SSH/802.1x/TACACS+/ACL



Specifications

Standards	IEEE 802.3 10Base-T; IEEE 802.3u 100Base-TX; IEEE 802.3ab 1000Base-T; IEEE 802.3z Gigabit Fiber; IEEE 802.3x Flow Control and Back pressure; IEEE 802.1s Multiple Spanning Tree; IEEE 802.1w Rapid Spanning Tree; IEEE 802.3ad Port trunk with LACP; IEEE 802.1p Class of Service; IEEE 802.1x User Authentication; IEEE 802.1Q VLAN Tagging
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
Power Supply	Internal power AC 100~240V / 50~60Hz
Power Consumption (DC)	40 Watts max.
Operation Temperature	0° to 40°C (32° to 113°F)
Operation Humidity	5% to 90% (non-condensing)
Dimensions	Width: 11.02" [280 mm] Depth: 6.53" [166 mm] Height: 1.73" [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-SM8DPA

8-port 100/1000 SFP Managed Switch with (2) dual speed SFP/RJ-45 Combo ports

Optional Accessories (sold separately)

SFP Modules

Mounting Brackets

RMSM8-01

19" Rack Mount Bracket

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.