



**The Smart Choice for Flexible, Gigabit Ethernet!**

With Gigabit Ethernet rapidly becoming the de facto standard, MiLAN Technology is proud to introduce our new 8-Port Gigabit Ethernet switch. The new **MIL-S8001TG** will transform your current Fast Ethernet network into a blazing fast Gigabit Ethernet network that runs at 1000 Mbps!

Converge copper and fiber  
Gigabit Ethernet in one  
small footprint

**Converge Copper and Fiber Gigabit Networks**

The **MIL-S8001TG** is a hard-working switch that delivers exceptional performance. Right out of the box, the **MIL-S8001TG** gives you eight 10/100/1000 Gigabit Ethernet ports and a Mini-GBIC slot that will interface with any industry-standard Small-Form-Pluggable Gigabit Ethernet Interface transceivers. The addition of the Mini-GBIC slot allows for flexible Gigabit fiber deployment by converging it with cost-effective Gigabit copper connectivity. Imagine transferring data/voice/multimedia files across your network at 2 Gbps full duplex per port, the waiting game is over.

SMART features include;  
console Management, 4K  
VLANs, QoS, and Broadcast  
Storm Filtering

**Smart Connectivity**

Like all MiLAN unmanaged switches, the **MIL-S8001TG** is completely plug-and-play; no configuration is required for basic operation. Advanced configurations can be accessed through MiLAN's easy to use menu-driven management system.

Full wire speed reception  
and transmission with  
16 Gbps backplane speed

Features	MIL-S8001TG	Basic 8-Port Gigabit Switches
Gigabit Ports	8	8
Mini-GBIC Slot	1	No
Plug-n-Play	Yes	Yes
Configure via Console	Yes	No
802.1Q VLAN	Yes	No
Quality of Service	Yes	No
Port Trunking	Yes	No
Broadcast Storm Filtering	Yes	No

Rugged metal chassis with  
Internal power supply

**Advanced Features**

- **Console-Managed.** All advanced features are accessible from an easy-to use console interface. No cryptic command line commands or third party network management applications required
- **VLAN.** Supports 4K 802.1Q tagged-based VLANs plus port-based VLANs
- **Quality of Service (QoS).** 802.1p/TOS support efficiently control network resources by classifying traffic and prioritizing network traffic flows
- Supports **Broadcast Storm Filtering** that eliminates unnecessary network traffic
- Increase network performance with **9.5KB Jumbo Frame** support

## SPECIFICATIONS

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### Connectors

Copper	Eight 10/100/1000 Mbps Gigabit Ethernet (10BaseT, 100BaseTX, 1000BaseT):RJ-45
Fiber	One Industry-Standard Small-Form-Pluggable GBIC transceiver slot
Status Indicators	RJ-45: Power plus 3 indicators per RJ-45 port (link/activity, 10/100/1000 Mbps, Duplex/Collision) Mini-GBIC: Link/Activity
Console	RS-232

### Performance

Efficiency	Gigabit Switching (1.488,000 pps) and Fast Ethernet Switching (148,800 pps)
Flow Control	Supports IEEE802.3x Flow Control (Full-Duplex) and Back Pressure (Half-Duplex)
Switch Architecture	Single-Chip non-blocking wire-speed design, 16 Gbps Backplane
Memory	Embedded 1.5Mb packet buffer
Address Table	4K entries

### Software Features

VLAN	Port Based VLAN up to 8 groups; 4K IEEE802.1Q Tag VLAN
Quality of Service (QoS)	2 Types of quality of service: 1.Port based priority. 2. 802.1p/TOS priority tag.
Priority Queue	System provides 4 queues for High and Low priority. Queue Ratio: High/Middle/Low/Lowest=8/4/2/1
Trunking	Supports one trunk group, and the trunk member can be Port(5,6,7,8),Port(6,7,8) or Port(7,8)
Broadcast Storm	Disable or Enable (Supports rate setting)

### Physical Characteristics

Case:	Rugged 19" rack-mountable metal chassis (Rack-mount kit included)
Dimensions:	250 (W) x 132 (D) x 37 (H) mm
Power:	Internal Universal power supply; Input: 90-240V, 50/60Hz Output: DC 5 V/4 A (internal)
Power Consumption:	22 watts (max.)

### Standards Compliance

Network:	IEEE 802.3ab 1000BaseT, IEEE 802.3u 100BaseTX, IEEE 802.3 10BaseT IEEE 802.3z 1000BaseSX/LX IEEE 802.3x Flow Control
Expansion:	Auto-MDI/MDIX on all eight RJ-45 ports. Uplink to additional switches using standard or crossover cables
Mini-GBIC slot:	Compatible with industry standard small-form-pluggable GBICs for a wide variety of fiber connections and distances
Emissions:	FCC Class A and CE mark
Safety:	EN60950

### Environmental

Operating Temperature:	32° to 113° F (0° to 45° C)
Relative Humidity:	10% to 90% non-condensing

### Support

Product Warranty:	5-year product warranty covers defects in manufacturing and workmanship
Technical Support:	5 years of free telephone support plus 24-hour support via web

## ORDERING INFORMATION

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MiLAN Part Number*	Description
MIL-S8001TGUS	8 x 10/100/1000 Mbps + 1 Mini-GBIC Gigabit Ethernet Smart switch
<b>SFP Mini-GBICs</b>	
MIL-SFP-SX	1000BaseSX (LC type connector) SFP module, 550m
MIL-SFP-10LX	1000BaseLX (LC type connector) SFP module, 10km

\* For international part numbers, please refer to the MiLAN price list.

