



**GT-SG-4600-4GF-I**  
**GT-SG-4600-4XF-I**  
**24 Port Layer 3 Switch**

**Features**

**Robust Design**

- IP30-rated metal housing
- Fanless, passive cooling design
- High EMC endurance

**Switching Features**

- IEEE 802.1Q and port-based VLAN
- IEEE 802.1p Quality of Service (QoS)
- STP/RSTP/MSTP
- Port mirroring
- Link aggregation
- Bandwidth control
- Broadcast storm control

**Network Redundancy**

- Ethernet Ring Protection Switching (ERPS)
- Dual power input for redundant power supplies

**Layer 3 Features**

- Supports RIP & OSPF
- Protocol Independent Multicast (PIM)

Technical Specifications		
Model Number	GT-SG-4600-4GF-I	GT-SG-4600-4XF-I
General		
Interfaces	4 × 1G SFP Ports, 3 Open Slots for 8 Gigabit Port Interface Modules.	4 × 10G SFP+ Ports, 3 Open Slots for 8 Gigabit Port Interface Modules.
Performance		
Switching Capacity	88Gbps	128Gbps
MAC Address table	16K	
Transmission Method	Store-and-forward	
Packet Buffer Size	1.5MB	

### Physical / Environmental

Operating Temperature	-40°C~70°C (-4°F~158°F)
Housing	IP30-rated metal casing
installation	19" Rack Mount

### Power Requirements

Power Input	DC Models: 48~57 VDC Redundant AC Models: 110~220 VAC Redundant or Single PSU PoE Power: Dual 48~57 VDC (Each power input with Max. 360W)
Reverse Polarity Protection	Yes (FOR DC models only.)

### Features

Protocol Support	IPv4 / IPv6, IGMP v1/v2/v3, MLD v2, DHCP Server / Client / Relay, GARP, GVRP, NTP, SNTP, IEEE1588 PTP v2, 802.1x, EAP, TACACS+, SMTP, SNMP v1/v2/v3, RMON, TFTP, ICMP, Telnet, Syslog, LLDP, LACP, Pingv6.
VLAN	802.1Q VLAN 4K VLAN Port Based VLAN Protocol based VLAN IP Subnet Based VLAN MAC Based VLAN
QoS	802.1p 8 Priority Queues Queue Handling: Strict, Weighted Round Robin, Deficit Weighted Round Robin.
Layer 3 Routing Protocols	RIP V1, V2 OSPF V2, VRRP, IPv4/IPv6 Static Routing
Layer 3 Multicast	PIM-DM, PIM-SM, PIM-SSM, DVMRP
Security	802.1x, TACACS+, Layer 2 & Layer 3 ACL

### Standards / Certifications / Compliance

Safety	EN 61010-2-201
EMC	FCC Part 15, Subpart B, Class A EN 55032, EN 55024, EN 61000-3-2, EN 61000-3-3, EN 61000-6-2, EN 61000-6-4
EMS	IEC 61000-4-2 ESD, IEC 61000-4-3 RS, IEC 61000-4-4 EFT, IEC 61000-4-5 Surge IEC 61000-4-6 CS, IEC 61000-4-8 PFMF, IEC 61000-4-11 DIP
Shock	MIL-STD-810G Method 516.5
Vibration	MIL-STD-810F Method 514.5 C-1 & C-2
Freefall	MIL-STD-810F Method 516.5
Environmental	ROHS II
MTBF	TBD

### Optional Modules

Part Code	GT-MG-8C	GT-MG-8P	GT-MG-8F
Description	8 Port 10/100/1000 Base-T	8 Port 10/100/1000 Base-T PoE / PoE+	8 Port 100/1000 Base-X SFP
Interface	RJ-45	RJ-45	SFP Slot

### Ordering Information

Part Code	Description
GT-SG-4600-4GF-I	GT L3 Managed Industrial Grade Switch with 4 Gigabit Fiber SFP Slots, 3 Open Slots for Gigabit Ports & Redundant Power Supply
GT-SG-4600-4XF-I	GT L3 Managed Industrial Grade Switch with 4 #10G SFP Slots, 3 Open Slots for Gigabit Ports & Redundant Power Supply
GT-MG-8F	GT 8 Gigabit Fiber SFP Slots Interface Module
GT-MG-8C	GT 8-Ports 10/100/1000 Base-T Interface Module
GT-MG-8P	GT 8-Ports 10/100/1000 Base-T PoE/PoE+ Interface Module

