TEG-S2500i
24-Port 10/100Mbps Stackable SNMP Switch with Gigabit Slot

The TEG-S2500i 24 Port 10/100 Stackable SNMP Switch provides small and medium businesses with the foundation for a highly scalable and easily managed network. The Web/SNMP Managed Switch allows network administrators to remotely monitor and manage network performance and security. Network administrators can stack up to 8 Switches and manage them with only one IP address using a standard web browser. Server bottlenecks are a thing of the past with the Gigabit module slot that supports a series of optional Gigabit Copper, Gigabit Fiber and GBIC modules. Security and performance are optimized with advanced Port/Tag-based VLAN, QoS, Trunking and monitoring features.

FEATURES

- Stackable up to 8 Switches* (requires Gigabit Module); provides up to 192 10/100Mbpbs connections (* You can stack 16 Switches together. But, for better network performance, we suggest stacking no more than 8 Switches.)
- Manage all uplinked or Stacked Switches with one IP address from local LAN or Internet (requires valid public IP. If the Switch is behind a Firewall/Router, please open Port 80 and the Agent Control Port 28019 for the Switch's IP)
- 24 10/100Mbps Auto-Negotiation and Auto-MDIX Fast Ethernet Ports
- 1 Gigabit Module Slot for optional module with Copper and/or Fiber Gigabit connections
- Full/Half-duplex transfer mode for each 10/100Mbps port (1000Mbps port supports only full-duplex mode)
- Store-and-forward switching architecture with non-blocking wire-speed performance
- IEEE 802.3x flow control for full-duplex and collision-based back pressure function for half-duplex operation
- Broadcast Storm Filtering and Head-of-Line blocking Prevention
- Port-Based VLAN (256 Groups), IEEE 802.1q Tag-Based VLAN (PVID 1~255) and IEEE 802.1D Spanning Tree (STP)
- IEEE 802.1v protocol-based VLAN classifications and IEEE 802.1x Authentication and Authorization
- Port-Trunking with flexible load distribution control and fail-over functions (7 trunk groups, max 4 ports per group)
- IP Multicast, IGMP Snooping, and RMON Group 1,2,3,9
- 2-level priority queuing, Ingress port security mode and by-port Egress/Ingress rate control
- Configuration via Console Port (serial cable included), SNMP (v1.0, MIB II), TELNET, and Web Browser
- Upgradeable firmware via TFTP and Ping function from the Switch for network diagnostic
- 8.8Gbps switching fabric
- Supports QoS and 802.1p Priority
- Standard 19" Rack-Mount Size (rack-mount kit included)
- 5-Year Warranty

BENEFITS

- **Performance:**
  Gigabit bandwidth between Stacking Switches and backbone

- **Expandability:**
  Expand the network by connecting multiple Stacks of Switches together via Gigabit backbone

- **Flexibility:**
  Stack Switches in the same room or in different rooms. Single IP Management allows Administrator to manage/monitor all the Switches locally or remotely (requires public IP) using one IP address

- **Security:**
  Administrator can setup 802.1Q or Port-based VLAN to further segmenting the network.

- **Cost-Effectiveness:**
  Provides SNMP management and Gigabit Performance at an affordable price.

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SPECIFICATIONS

Standards:
- IEEE 802.3 10Base-T Ethernet
- IEEE 802.3u 100Base-TX Fast Ethernet
- IEEE 802.3z 1000Base-SX/LX Gigabit Ethernet
- IEEE 802.3x Flow Control
- IEEE 802.1D Spanning Tree
- IEEE 802.1q Tag-based VLAN, Priority Control
- IEEE 802.1v Protocol-Based VLAN
- IEEE 802.1x RADIU Authentication and Authorization

Interfaces:
- 24 x 100Base-TX RJ-45 STP Ethernet Ports
- 2 x 1000Base-TX RJ-45 Connector Ports or optional 1000Base-SX and/or
- 1 x RS-232 Serial Port

Console Port:
- RS-232, female 9-Pin Serial Port (serial cable included)

Buffer Memory:
- 1MB for Control, 3MB for Packet Filter

Filtering Address Table:
- 6K MAC (255 entry of Static MAC), 4K VLAN and 2K Multicast Entries

Packet Forwarding and Filtering Rate:
- 1000M Ethernet: 1,488,100 packets per second per port
- 100M Ethernet: 148,810 packets per second per port
- 10M Ethernet: 14,880 packets per second per port

Cabling:
- Fast Ethernet
  - UTP/STP Cat. 5, EIA/TIA-568 100-ohm, 100 meters max.
  - 62.5/125um Multimode Fiber with SC-type connector, 2Km max.
- Gigabit Ethernet
  - UTP/STP Cat. 5, EIA/TIA-568 100-ohm, 100 meters max.
  - 62.5/125µm Multimode Fiber with SC-type connector, 220 meters max.
  - 50/125µm Multimode Fiber with SC-type connector, 550 meters max.

Protocol/Topology:
- (CSMA/CD) / Star

LED Display:
- Per Device: Power, Diagnostic, FAN1, FAN2.
- Per Port: Link, Activity,

Power Consumption:
- 30 Watts max. (Input: 100~240VAC, 50/60Hz Internal Power Supply)

Dimensions:
- 440 x 184 x 44mm (17.3 x 7.3 x 1.8 inch) (W x H x D)

Weight:
- 2.3 Kg. (5.1 lb.)

Temperature:
- Operating: 5° ~ 45° C (41° ~ 113° F).
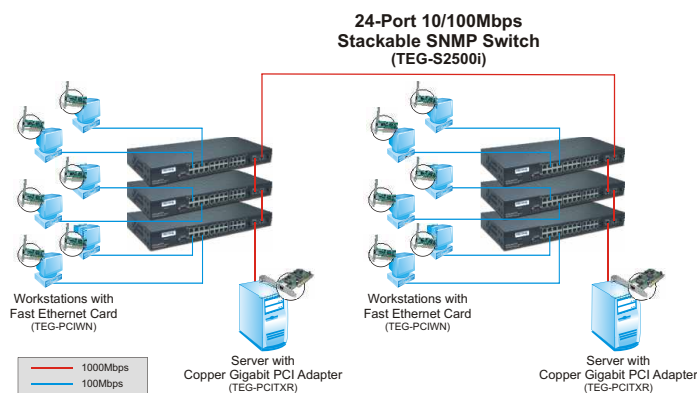- Storage: -20° ~ 70° C (-4° ~ 158° F)

Humidity:
- 10% ~ 90% (no-condensing)

Certifications:
- FCC, CE/ CB, UL

ISO9001 FC CE UL

NETWORKING SOLUTIONS

24-Port 10/100Mbps Stackable SNMP Switch (TEG-S2500i)

Workstations with Fast Ethernet Card (TEG-PCIWN)

Server with Copper Gigabit PCI Adapter (TEG-PCITXR)

Workstations with Fast Ethernet Card (TEG-PCIWN)

Server with Copper Gigabit PCI Adapter (TEG-PCITXR)

1000Mbps
100Mbps

RELATED PRODUCT

- **TEG-S2500i:** 24-Port 10/100Mbps Stackable SNMP Switch with Gigabit Slot

- **Option Gigabit Modules for TEG-S2500i:**
  TEG-S24M2C: 2-Port 10/100/1000 Copper Gigabit Module
  TEG-S24M1F: 1-Port Multimode SC-type Fiber Gigabit Module
  TEG-S24M2F: 2-Port Multimode SC-type Fiber Gigabit Module
  TEG-S24M100F: 1-Port Multimode SC-type 100Base-FX Module
  TEG-S24M200F: 2-Port Multimode SC-type 100Base-FX Module
  TEG-S24M11GF: 1-Port 10/100/1000Mbps Copper Gigabit + 1-Port 1000Base-SX/LX GBIC Multimode SC type Module

ORDERING INFORMATION

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