24-Port 10/100Mbps SNMP Switch with Gigabit Module Slot
TEG-S2400i

TRENDnet's TEG-2400i is a high performance web-managed SNMP Layer 2 Switch that provides users with 24 10/100Mbps Fast Ethernet ports and one Gigabit module slot. The module slot accepts either copper or fiber media module, which offers connection to Gigabit Server or Gigabit backbone with flexibility. With the Web Browser configuration feature, users can easily install and configure the Switch. The TEG-S2400i supports both Port-Based and Tag-Based VLAN, and the trunking feature delivers more bandwidth than regular uplink between Switches. TRENDnet's TEG-S2400i is powerful and easy-to-use in reducing unnecessary broadcast traffic and enhancing network security.

FEATURES

• 24 10/100Mbps Auto-Negotiation Ethernet/Fast Ethernet Ports

• Gigabit Module Slot; supports the following optional Modules: 1-Port 100Base-FX, 2-Port 100Base-FX, 2-Port Copper Gigabit, 1-Port Fiber Gigabit, or 2-Port Fiber Gigabit

• Full/Half-duplex transfer mode for each 10/100Mbps port (1000Mbps port supports only at full-duplex mode)

• Auto-MDIX media type detection for all ports

• Supports 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

• 14K MAC addresses and 4K VLAN entries per device

• 3MB packet buffer and 1MB control buffer per device

• 8.8 Gbps Backplane speed

• Broadcast storm filtering and Head-of-Line blocking prevention

• Supports Port-Based VLAN (26 Groups), IEEE 802.1Q Tag-Based VLAN, and IEEE 802.1P Port-Based Quality of Service (QoS)

• Supports Port-Trunking (7 trunk groups with maximum of 4 ports per group)

• Supports IP Multicast, IGMP Snooping, and RMON Group 1,2,3,9

• Configuration via Console Port (serial cable included), SNMP, Telnet, and Web Browser

• Extensive front panel diagnostic LEDs

• 19" Rack Mountable

• 5-Year Warranty

BENEFITS

Performance:
Provides Gigabit Module Slot for 100Base-FX or Copper/Fiber Gigabit connection.

Flexibility:
Connects to 10Base-T, 100Base-TX, 100Base-FX, 1000Base-T, and 1000Base-SX networks (with optional module).

Expandability:
Simple expansion by uplinking to 10/100Mbps or Gigabit Switches. Trunking feature increases throughput between Switches within the network.

Cost Effectiveness:
Provides SNMP management and Gigabit Performance at an affordable price.
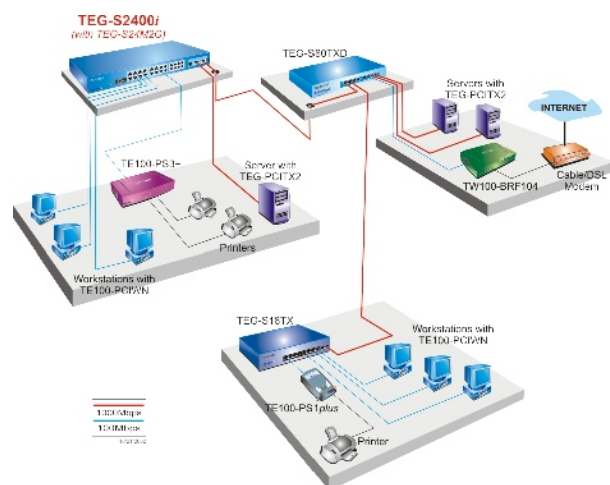
Security:
Port-based VLAN to further segmenting the network.

SPECIFICATIONS

Hardware

Standards	• IEEE 802.3 10Base-T Ethernet, IEEE 802.3u 100Base-TX/100Base-FX Fast Ethernet, IEEE 802.3ab 1000Base-T/1000Base-SX Gigabit Ethernet, ANSI/IEEE 802.3 Auto-Negotiation, IEEE 802.3z 1000BaseSX/LX Gigabit Ethernet, IEEE 802.3x Full-Duplex Flow Control, IEEE 802.1D Spanning Tree, IEEE 802.1P QoS, IEEE 802.1Q VLAN, IEEE 802.1v port-based VLAN
Data Transfer Rate	• Ethernet: 14,880 pps • Fast Ethernet: 148,800 pps • Gigabit Ethernet: 1,488,000 pps
Cabling	• Ethernet: UTP/STP Cat. 3,4,5, EIA/ITA-568 100-ohm, 100 meters max. • 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.
Console Port	• RS-232, female 9-Pin Serial Port (DB-9 male-to-female serial cable included)
Protocol	• CSMA/CD
Topology	• Star
Data RAM Buffers	• 3MB Packet Buffer and 1MB Controller Buffer
Filtering Address Table	• 14K entries per device
Diagnostic LEDs	• Per Device: Power, Diagnostic, FAN1, FAN2 • Per Port: 100M, Link/Act
Power Consumption	• 100 ~ 240 VAC, 50 ~ 60Hz, Internal Universal 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	• Operating: 10% ~ 90% non-condensing
Certifications	• CE, FCC

NETWORKING SOLUTIONS

RELATED PRODUCTS

TEG-S24M2C	2-port Copper Gigabit Module
TEG-S24M1F	1-port Fiber Gigabit SC-type module
TEG-S24M2F	2-port Fiber Gigabit SC-type module

ORDERING INFORMATION

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