



## **24-Port 10/100Mbps Layer 2 Stackable Switch w/ 2 shared Gigabit Ports and Mini-GBIC Slots TEG-S2620is (V1.0R)**

The 24-Port 10/100Mbps Layer 2 Stackable Switch includes two shared Gigabit ports and mini-GBIC slots, providing a reliable foundation for a highly scalable managed network.

Features Stacking support for up to 8 TEG-S2620is switches, an 8.8Gbps switch fabric, 802.1x authentication, SNMP v1 support and Rapid Spanning Tree support.

Built-in Gigabit Ethernet ports and Mini-GBIC slots provide high speed uplinks to backbone switching or servers. Configure the switch using your choice of Telnet, HyperTerminal, SNMP or a Browser. Additional management features such as Port Trunking, IGMP snooping, VLAN, RMON, CoS and STP allow administrators to effectively manage departmental work groups.

### **FEATURES**

- Stack up to 8 switches
- 24 x 10/100Mbps Auto-Negotiation and Auto-MDIX RJ-45 ports
- 2 x shared Gigabit RJ-45 ports and Mini-GBIC slots
- 1 x RS-232 DB-9 console port
- 8K MAC and 4K VLAN
- Port Based VLAN and 802.1Q VLAN
- Spanning Tree Protocol (RSTP) supported
- IEEE 802.3x Flow Control for half/full duplex support
- IGMP support for multi-media applications up to 256 groups
- Switching fabric up to 8.8Gbps
- Broadcast Storm Filtering protection against constant Broadcast or Multicast traffic
- Supports port status control (auto-negotiation, speed, duplex and flow-control)
- 2-Level priority queuing Quality of Service (QoS)
- IEEE 802.3ad port trunking with LACP
- Port Mirroring for network traffic analysis
- Supports port security and IEEE 802.1p Class of Service
- Supports IP multicast, SNMP and RMON
- Switch management with Simple Network Management Protocol (SNMP V1.0), Telnet, RS-232 console port and Web Browser
- Supports IEEE 802.1x/RADIUS user authentication
- Upgradeable firmware via Web browser and TFTP program
- 19" (1U) Rack mount design with mounting hardware included
- 3-Year Limited Warranty

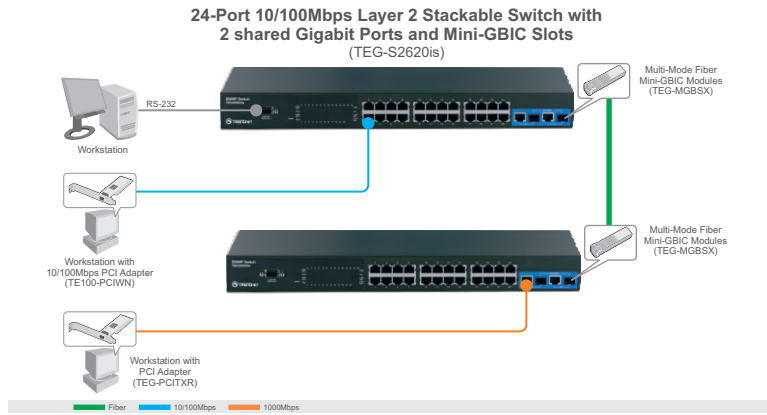
# 24-Port 10/100Mbps Layer 2 Stackable Switch w/ 2 shared Gigabit Ports and Mini-GBIC Slots TEG-S2620is (V1.0R)

## SPECIFICATIONS

Hardware	
Standards	<ul style="list-style-type: none"> <li>• IEEE 802.3 10Base-T • IEEE 802.3u 100Base-TX/100Base-FX • IEEE 802.3ab 1000Base-T</li> <li>• IEEE 802.3z Gigabit fiber SX/LX • IEEE 802.3x Flow Control and Back Pressure • IEEE 802.3ad Port Trunk with LACP</li> <li>• IEEE 802.1d Spanning Tree • IEEE 802.1w Rapid Spanning Tree • IEEE 802.1p Class of Service • IEEE 802.1Q VLAN Tag</li> </ul>
Interface	<ul style="list-style-type: none"> <li>• 24 x 10/100Mbps Auto MDIX RJ-45 ports • 1 x RS-232 DB-9 port for switch management</li> <li>• 2 x 10/100/1000Mbps Auto MDIX RJ-45 ports 2 x Gigabit Fiber Mini-GBIC slots (shared with Gigabit ports)</li> </ul>
Packet Forwarding and Filtering Rate	<ul style="list-style-type: none"> <li>• Gigabit: 1,488,000 packets per second per port • 100M Ethernet: 148,800 packets per second per port</li> </ul>
Cabling	<p><b>Network:</b></p> <ul style="list-style-type: none"> <li>• 10Base-T: UTP/STP Cat. 3, 4, 5 cable (100m) • 100Base-TX: UTP/STP Cat. 5, 5e cable (100m)</li> <li>• 1000Base-T: UTP/STP Cat 5e, 6 cable (100m)</li> </ul> <p><b>Mini-GBIC:</b></p> <ul style="list-style-type: none"> <li>• LC (Multi-Mode): 50/125um~62.5/125um</li> <li>• LC (Single Mode): 9/125um~10/125um</li> </ul>
Protocol/Topology	<ul style="list-style-type: none"> <li>• (CSMA/CD) / Chain (8 units)</li> </ul>
Buffer Memory	<ul style="list-style-type: none"> <li>• 3Mbits data buffer</li> </ul>
Filtering Address Table	<ul style="list-style-type: none"> <li>• 8K MAC address entries</li> </ul>
Bandwidth	<ul style="list-style-type: none"> <li>• Up to 8.8Gbps</li> </ul>
LED Display	<ul style="list-style-type: none"> <li>• System power • 10/100Base-TX: link/activity, Full Duplex/collision • 1000Base-T: 100, 1000,Link/activity, Full Duplex/collision</li> </ul>
Power	<ul style="list-style-type: none"> <li>• Input: 100~240VAC, 50/60Hz internal power supply, 0.8A (max)</li> </ul>
Power Consumption	<ul style="list-style-type: none"> <li>• 34 watts</li> </ul>
Dimension	<ul style="list-style-type: none"> <li>• 440 x 161 x 44mm (17.3 x 6.3 x 1.7 in.)</li> </ul>
Weight	<ul style="list-style-type: none"> <li>• 2.3 Kg. (5.07lb.)</li> </ul>
Temperature	<ul style="list-style-type: none"> <li>• Operating: 0° ~ 45° C (32° ~ 113° F) • Storage: -40° ~ 70° C (-40° ~ 158° F)</li> </ul>
Humidity	<ul style="list-style-type: none"> <li>• 5% ~ 90% (non-condensing)</li> </ul>
Certifications	<ul style="list-style-type: none"> <li>• FCC, CE</li> </ul>
Software	
Management	<ul style="list-style-type: none"> <li>• SNMP v1/ Web/Telnet/Console</li> </ul>
Trunk	<ul style="list-style-type: none"> <li>• LACP Port Trunk: 7 Trunk groups/maximum 4 Trunk members</li> </ul>
Class of Service	<ul style="list-style-type: none"> <li>• Support IEEE802.1p Class of Service, per port provides 2 priority queues</li> </ul>
Port-Based Priority	<ul style="list-style-type: none"> <li>• Supports 3 settings: "disable, low or high priority"</li> </ul>
RFC Standard	<ul style="list-style-type: none"> <li>• RFC 1157 SNMP, RFC 1213 MIB II, RFC 1643 Ethernet like, RFC 1493 Bridge MIB, RFC 1757 RMON 1, RFC 1215 Trap, RFC 2674 VLAN MIB, private MIB</li> </ul>
VLAN	<ul style="list-style-type: none"> <li>• Port based VLAN • IEEE 802.1Q Tag VLAN (256 Entries)/ VLAN ID (Up to 4K, VLAN ID From 1 to 4094.)</li> <li>• GVRP (256 groups) • IEEE802.1v Protocol VLAN</li> </ul>
IGMP	<ul style="list-style-type: none"> <li>• Support IGMP Snooping v1,v2 • 256 multicast groups</li> </ul>
Port Mirror	<ul style="list-style-type: none"> <li>• Supports 3 Mirroring types: "RX, TX or both"</li> </ul>
Port security	<ul style="list-style-type: none"> <li>• Supports static and filtering MAC Address entries</li> </ul>
Spanning Tree	<ul style="list-style-type: none"> <li>• IEEE802.1d Spanning Tree and IEEE802.1w Rapid Spanning Tree</li> </ul>
Login Security	<ul style="list-style-type: none"> <li>• IEEE802.1x Authentication/RADIUS</li> </ul>
Bandwidth Control	<ul style="list-style-type: none"> <li>• Bandwidth control per port</li> </ul>
Flow Control	<ul style="list-style-type: none"> <li>• Flow Control for Full-Duplex and back pressure for Half-Duplex</li> </ul>
SNMP Trap	<ul style="list-style-type: none"> <li>• Up to 3 trap stations, cold start, port link up, port link down, authentication failure</li> </ul>
DHCP	<ul style="list-style-type: none"> <li>• DHCP client</li> </ul>
Firmware Update	<ul style="list-style-type: none"> <li>• Support TFTP firmware update, TFTP backup and restore</li> </ul>

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## NETWORKING SOLUTIONS



## PACKAGE CONTENTS

- TEG-S2620is
- Multi-Language Quick Installation Guide
- CD-ROM (User Guide)
- Power cord
- RS-232 cable (1.5 m / 4.9 ft)
- Rack mounting kit

## RELATED PRODUCTS

TEG-MGBSX	Mini-GBIC Multi-Mode SX Module
TEG-MGBS10	Mini-GBIC Single-Mode LC Module
TEG-S081FMi	8-Port 100base-FX Layer 2 Managed Fiber Switch w/ Mini-GBIC Port

## ORDERING INFORMATION

**TRENDnet**<sup>®</sup>

20675 Manhattan Place, Torrance, CA 90501 USA

Tel: 1-310-961-5500

Fax: 1-310-961-5511

Web: [www.trendnet.com](http://www.trendnet.com)

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