



## **8-Port 10/100Mbps Layer 2 Managed Switch with Gigabit Copper and Mini-GBIC Slot** TEG-S811Fi

The 8-Port 10/100Mbps Layer 2 Managed Switch with Gigabit Copper and Mini-GBIC Slot (TEG-S811Fi) delivers powerful layer 2 performance and security management tools to network administrators.

Built-in Gigabit and Mini-GBIC slots provide additional network connections to increase overall network performance. Manage your network from anywhere and protect what your company values most.

The feature rich TEG-S811Fi incorporates Simple Network Management Protocol (SNMP), Quality of Service (QoS), Trunking and Port/Tag-based VLANs. Included is a robust 5.6Gbps backplane which may be remotely accessed. Configure the switch with ease using your choice of a Web browser, CLI, Telnet or HyperTerminal. Use this switch as a foundation for a highly scalable, easy to manage secure network.

### **FEATURES**

- Instantly expand network operations with this 8-port Layer 2 managed switch
- 8 x 10/100Mbps RJ-45 Auto-MDIX ports
- 1 x 10/100/100Mbps RJ-45 Auto-MDIX port and 1x 1000Base Mini-GBIC slot
- Robust 5.6Gbps switching capacity IGMP support for multi-media applications
- Quality of Service (QoS) for bandwidth prioritization
- Includes SNMP, RMON, port Mirroring, Spanning Tree protocol and port base VLAN/802.1Q
- Port Trunking, Broadcast Storm filtering, flow control and port security
- Flexible load distribution control and fail-over functions
- Store-and-forward switching architecture
- Configuration via RS-232 console port, telnet and any Web browser (HTTP)
- Supports up to 8,000 MAC address entries
- System backup, restore and firmware upgrades
- 5-year warranty

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## TEG-S811Fi

### SPECIFICATIONS

Hardware	
Standards	<ul style="list-style-type: none"> <li>• IEEE 802.3 10Base-T Ethernet</li> <li>• IEEE 802.3u 100Base-TX</li> <li>• IEEE802.3ab 1000Base-T</li> <li>• IEEE802.3z Gigabit fiber</li> <li>• IEEE802.3x Flow Control and Back Pressure</li> <li>• IEEE802.3ad Port trunk with LACP</li> <li>• IEEE802.1d Spanning Tree/ IEEE802.1w Rapid Spanning Tree</li> <li>• IEEE802.1p Class of Service</li> <li>• IEEE802.1Q VLAN Tag</li> <li>• IEEE 802.1x User Authentication (Radius)</li> </ul>
Interface	<ul style="list-style-type: none"> <li>• 8 x 10/100TX Ports RJ-45 with Auto MDI/MDI-X Function</li> <li>• 1 x 10/100/1000T Ports RJ-45 with Auto MDI/MDI-X Function</li> <li>• 1 x Gigabit Fiber Mini-GBIC</li> <li>• 1 x RS-232 DB-9 Connector for Switch Management</li> </ul>
Packet Forwarding and Filtering Rate	<ul style="list-style-type: none"> <li>• Gigabit: 1,488,000 packets per second per port</li> <li>• 100M Ethernet: 148,800 packets per second per port</li> </ul>
Cabling	<ul style="list-style-type: none"> <li>• Network: 10Base-T: 2-pair UTP/STP Cat. 3, 4, 5 Cable, EIA/TIA-568 100-ohm (100m), 100Base-TX: 2-pair UTP/STP Cat. 5/ 5E Cable, EIA/TIA-568 100-ohm (100m)</li> <li>• Optional: LC (Multi-Mode): 50/125um~62.5/125um, LC (Single Mode): 9/125um~10/125um Available Distance: 2KM (Multi-mode) / 30KM (Single-Mode), Wavelength: 1310nm (Multi-Mode/ Single Mode)</li> </ul>
Console Port	<ul style="list-style-type: none"> <li>• RS-232, female 9-Pin Serial Port (M-M serial cable included)</li> </ul>
Protocol/Topology	<ul style="list-style-type: none"> <li>• (CSMA/CD) / Star</li> </ul>
Buffer Memory	<ul style="list-style-type: none"> <li>• 1Mbits 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 5.6Gbps</li> </ul>
LED Display	<ul style="list-style-type: none"> <li>• System Power (Green)</li> <li>• 10/100TX Port: Link/Activity (Green), Full-Duplex/Collision (Yellow), 100Mbps(Green)</li> <li>• Gigabit Copper Port: 1000/100Mbps (Green/Yellow), Link/Activity (Green), Full Duplex/Collision (Yellow)</li> <li>• Mini GBIC: Link/Activity (Green)</li> </ul>
Power	<ul style="list-style-type: none"> <li>• Input: 100~240VAC, 50/60Hz Internal Power Supply</li> </ul>
Power Consumption	<ul style="list-style-type: none"> <li>• 10.8 watts</li> </ul>
Dimensions	<ul style="list-style-type: none"> <li>• 217 x 160 x 43mm (8.5 x 6.2 x 1.6 inch) (W x H x D)</li> </ul>
Weight	<ul style="list-style-type: none"> <li>• 0.8 Kg. (1.12lb.)</li> </ul>
Temperature	<ul style="list-style-type: none"> <li>• Operating: 0° ~ 45° C (32° ~ 113° F)</li> <li>• Storage: -40° ~ 70° C (-40° ~ 158° F)</li> </ul>
Humidity	<ul style="list-style-type: none"> <li>• 5% ~ 95% non-condensing</li> </ul>
Safety Emissions	<ul style="list-style-type: none"> <li>• FCC, CE</li> </ul>
Software	
Management	<ul style="list-style-type: none"> <li>• SNMP v1 v2c, v3/ Web/Telnet/CLI/Menu Driven** Management</li> </ul>
Trunk	<ul style="list-style-type: none"> <li>• LACP Port Trunk: 4 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 4 Priority Queues</li> </ul>
QoS	<ul style="list-style-type: none"> <li>• QoS Determined by Port, Tag and IPv4 Type of Service, IPv4/IPv6 Different Service</li> </ul>
VLAN	<ul style="list-style-type: none"> <li>• Port Based VLAN</li> <li>• IEEE 802.1Q Tag VLAN (256 Entries)/ VLAN ID (Up to 4K, VLAN ID From 1 to 4096.)</li> <li>• GVRP (256 Groups)</li> <li>• Double Tag VLAN (Q in Q)*</li> </ul>
X-Ring	<ul style="list-style-type: none"> <li>• Support X-ring, Dual Homing, and Couple Ring</li> <li>• Provides Redundant Backup and Recovery Time Below 300ms</li> </ul>
IGMP	<ul style="list-style-type: none"> <li>• Support IGMP Snooping v1,v2</li> <li>• 256 Multicast Groups and IGMP Query</li> </ul>
Port Mirror	<ul style="list-style-type: none"> <li>• Supports 3 Mirroring Types: "RX, TX and Both Packets".</li> </ul>
Port security	<ul style="list-style-type: none"> <li>• Supports 100 static MAC Address Entries And 100 MAC Filter Entries</li> </ul>



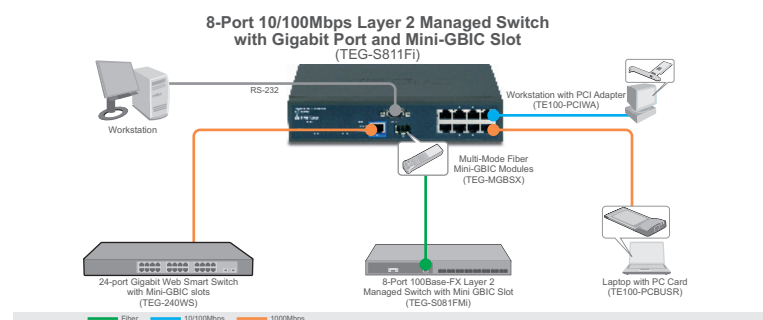
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### SPECIFICATIONS

Software	
Spanning Tree	• Support IEEE802.1d Spanning Tree and IEEE802.1w Rapid Spanning Tree
IP Security	• Supports 10 Permitted Access IP Addresses
Login Security	• Support IEEE802.1X Authentication/RADIUS
Bandwidth Control	• Ingress Packet Filter and Egress Packet limit
Egress Rate Supports	• All Packet Types With Rate Limits at 100K~250Mbps
Ingress Filter Packet	• Types Include Broadcast/Multicast/Unknown, Unicast Packet, Broadcast/Multicast Packet and Broadcast Packet Only/ All of Packet. Packet Filter Rate: 100k to 250Mbps
Flow Control	• Supports Flow Control For Full-duplex and Back Pressure For Half-Duplex
System Log	• Supports System Log Record And Remote System Log Server
SMTP	• SMTP Server support And 6 E-mail Accounts For Event Alerts
SNMP Trap	• Up to 3 Trap Stations, Cold start, Port Link Up, Port Link Down, Authentication Failure, Power Status Private Trap and X-ring Topology Change
DHCP	• Provides DHCP Client/ DHCP Server
DNS	• Provides DNS Client Feature and Supports Primary And Secondary DNS servers
SNTP	• Supports SNTP To Synchronize System Clock
Firmware Update	• Support TFTP Firmware Update, TFTP Backup and Restore
Configuration Upload and Download	• Support Text Format Configuration File For System Quick Installation

### NETWORKING SOLUTIONS



### PACKAGE CONTENTS

- TEG-S811Fi
- Quick Installation Guide
- CD-ROM user guide
- Power cord (1 m, 3.28 ft)
- RS-232 cable (1 m, 3.28 ft)
- Rack mounting kit

### RELATED PRODUCTS

TEG-S081FMi	8-Port 100base-FX Layer 2 Managed Fiber Switch w/ Mini-GBIC Port
TE100-S810Fi	8-Port 10/100Mbps Layer 2 Managed Switch with 100Base-FX Port
TEG-MGBSX	Mini-GBIC Multi-Mode SX Module

### 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)

Email: [sales@trendnet.com](mailto:sales@trendnet.com)

To Order Please Call:

**1-888-326-6061**