



## **8-Port 100Base-FX Layer 2 Managed Switch with Mini GBIC Slot**

### **TEG-S081FMi (1.0R)**

The 8-Port 100Base-FX Layer 2 Managed Switch provides exceptional performance, ease of use and flexibility for expanding network operations. Utilizing a robust 3.8Gbps backplane, the switch can easily accommodate multiple networks at 2km or more with an optional GBIC SX or LX module. Advanced management features include SNMP, VLAN, IGMP, and Port Security.

## **FEATURES**

- 8 x 100Base-FX SC type Multi-Mode Fiber Port
- 1 x 1000Base GBIC Slot for optional GBIC module
- Supports switch Fabric up to 3.8Gbps
- Layer 2 Management Switch with Full Software Support
- IGMP Snooping with Query Mode Support for Multi-Media Application
- Supports Broadcast Storm Filtering
- Supports Port Status Control (Status, Auto-Negotiation, Speed, Duplex and Flow Control)
- Supports Port Trunking with Flexible Load Distribution Control and Fail-Over Functions
- Supports Port-Based VLAN and IEEE 802.1Q Tag-Based VLAN
- Supports IP Multicast, Port Mirroring, Spanning Tree, SNMP and RMON
- Supports Port Security and IEEE 802.1p Class of Services
- Store-and-Forward Switching Architecture with Non-Blocking Wire-Speed Performance
- Configuration via RS-232 Console Port, Telnet, and Web Browser (HTTP)
- TFTP Firmware Upgrade via Browser
- Configuration Save and Restore Feature Support
- 19" (1U) Rack Mount Design (kit included)
- 3-Year Limited Warranty

# 8-Port 100Base-FX Layer 2 Managed Switch with Mini GBIC Slot

TEG-S081FMI

## SPECIFICATIONS

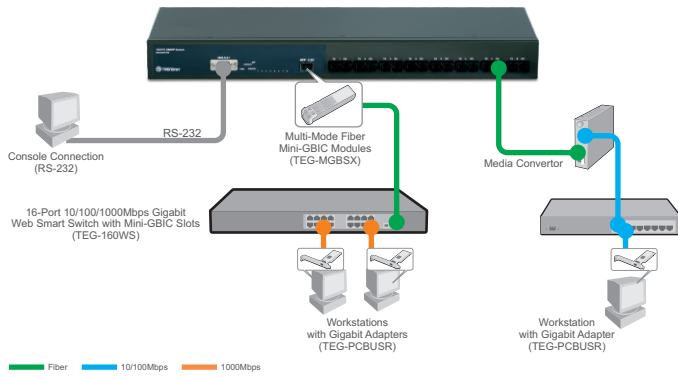
Hardware	
Standards	<ul style="list-style-type: none"><li>• IEEE 802.3u 100Base-FX; IEEE 802.3z Gigabit Fiber/IEEE 802.3ab 1000Base-T</li><li>• IEEE 802.3x Flow Control; IEEE 802.1D Spanning Tree • IEEE 802.1q Tag-based VLAN; IEEE 802.1p Class of Service</li><li>• Link Aggregation; IEEE 802.1ad Port Trunk</li></ul>
Interface	<ul style="list-style-type: none"><li>• 8 x 100Base-FX SC type Multi-Mode Fiber Port</li><li>• 1 x 1000Base mini GBIC slot for optional mini GBIC module (3.3V DC power)</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>• Multi-Mode: (50/125um, 62.5/125um), 2km max • Single-Mode: (8/125um, 10/125um)</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>• 2Mbits 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 3.8Gbps</li></ul>
LED Display	<ul style="list-style-type: none"><li>• Power, Link/Activity, Full Duplex/Collision</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>• 17 watts</li></ul>
Dimensions	<ul style="list-style-type: none"><li>• 440 x 160 x 44mm (17.3 x 6.3 x 1.7 inch) (W x H x D)</li></ul>
Weight	<ul style="list-style-type: none"><li>• 2.2 Kg. (4.85lb.)</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>• 10% ~ 90% 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>• Web Management, RS-232 Console Management, Telnet</li></ul>
Trunk	<ul style="list-style-type: none"><li>• IEEE 802.3ad Trunk with LACP. Max 4 Groups ( up to 4 Ports per group)</li></ul>
Class of Service	<ul style="list-style-type: none"><li>• Supports Hi and Low Priority</li></ul>
QoS	<ul style="list-style-type: none"><li>• Supports 8 Levels of Priority and Mapping to Hi/Low Priority Queue for Class of Service</li></ul>
VLAN	<ul style="list-style-type: none"><li>• Up to 256 VLAN groups and up to 4094 VLAN ID</li></ul>
IP Multicast	<ul style="list-style-type: none"><li>• IGMP Snooping up to 256 groups • 2 Types of Query Mode: Enable/Disable or Auto Query</li></ul>
Filter Database	<ul style="list-style-type: none"><li>• Port Static MAC address lock, MAC filter and Port Security</li></ul>
Port Mirror	<ul style="list-style-type: none"><li>• Up to 8 ports</li></ul>
Broadcast Control	<ul style="list-style-type: none"><li>• None, 5%, 10%, 15%, 20%, 25%</li></ul>
Spanning Tree	<ul style="list-style-type: none"><li>• IEEE 802.1d Support</li></ul>
RFC Standard	<ul style="list-style-type: none"><li>• RFC 1157 SNMP v1.0, RFC 1213 MIB II, Bridge MIB, RFC 1643 Ethernet Like, RFC 1493 Bridge MIB, RFC 1757 RMON1, RFC 1215 Trap</li></ul>



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## NETWORKING SOLUTIONS

### 8-Port 100base-FX SNMP Layer 2 Managed Switch (TEG-S081FMi)



## PACKAGE CONTENTS

- TEG-S081FMi
- Multi-language user's guide
- Power Cord 1.2m (6ft)
- RS-232 Cable 1m (3.28ft)

## RELATED PRODUCTS

<b>TE100-S800i</b>	8-Port 10/100Mbps Layer 2 Managed Switch
<b>TE100-S810Fi</b>	8-Port 10/100Mbps Layer 2 Managed Switch with 100Base-FX Port
<b>TEG-MGBSX</b>	Multi-Mode Fiber Mini-GBIC Modules

## 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**

