



## **48-Port 10/100Mbps Web Smart Switch with 4 Gigabit Ports and 2 Mini-GBIC Slots**

**TEG-2248WS [B1.0R]**

The 48-Port 10/100Mbps Web Smart Switch with 4 Gigabit Ports and 2 Mini-GBIC Slots (model TEG-2248WS) delivers a 17.6Gbps switching capacity with managed layer 2 features at a reduced cost. Support for SNMP v1, 802.1X, STP, 802.1Q VLAN, QoS, IGMP snooping, Broadcast Storm Control and port Trunking provides a cost effective, scalable and secure backbone switch solution for SMB networks.

SNMP support enables the switch to provide valuable status and event information, saving system administrators time and resources. Connect a fiber network to the shared Mini-GBIC slots and network servers and switches using the Gigabit RJ-45 ports. Access the Web-browser management interface and segment up to 256 Virtual Local Area Networks, manage network priority with 802.1p support and dedicate bandwidth with port-based Trunking.

## **FEATURES**

- 48 x 10/100Mbps Auto-MDIX Fast Ethernet ports
- 4 x 10/100/1000Mbps Auto-MDIX Gigabit ports
- 2 x 1000Base-SX/LX Mini-GBIC slots (shared with 2 Gigabit ports)
- 17.6Gbps switching capacity
- IEEE 802.3x Full Duplex Flow Control and Back Pressure
- IEEE 802.3ad Port Trunk
- IEEE 802.1D Spanning Tree Protocol
- IEEE 802.1p QoS
- IEEE 802.1X Authentication and SNMP v1 support
- Supports port based IEEE 802.1Q VLAN Tag and Asymmetric VLAN
- Store and Forward switching method
- Integrated address look-up engine with an 8K absolute MAC address table
- Supports 128K bytes RAM for data buffering
- Easy configuration via Web browser
- Front panel diagnostic LEDs
- Standard 1U (19") rackmount size (rackmount kit included)
- 3-Year Limited Warranty

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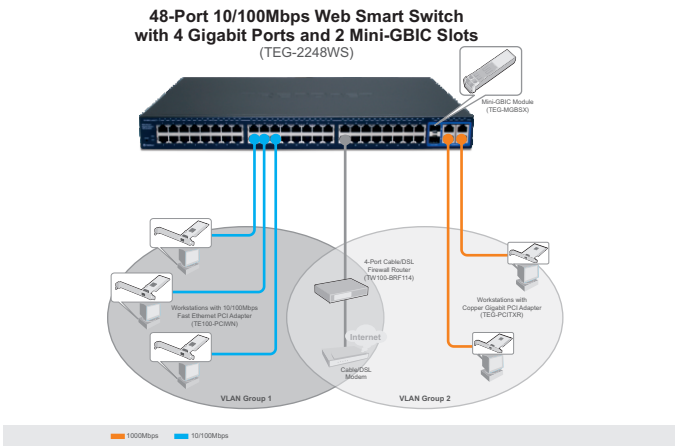
SPECIFICATIONS

| Hardware           |                                                                                                                                                                                                                                                                                                                                                         |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standard           | <div><div>• IEEE 802.3 10Base-T • IEEE 802.3u 100Base-TX • IEEE 802.3ab 1000Base-T • IEEE 802.3z 1000Base-SX/LX (Mini-GBIC)</div><div>• IEEE 802.3x Flow Control and Back Pressure • IEEE 802.3ad Port Trunk • IEEE 802.1D Spanning Tree Protocol</div><div>• IEEE 802.1p QoS • IEEE 802.1Q VLAN Tag • IEEE 802.1X Authentication • SNMP v1</div></div> |
| Network Media      | <div><div>• Ethernet: UTP/STP Cat. 3, 4, 5 up to 100m • Fast Ethernet: UTP/STP Cat. 5, 5e up to 100m</div><div>• Gigabit: UTP/STP Cat. 5, 5e, 6 up to 100m</div></div>                                                                                                                                                                                  |
| Protocol /Topology | <div><div>• CSMA/CD, Star</div></div>                                                                                                                                                                                                                                                                                                                   |
| LAN Ports          | <div><div>• 48 x 10/100Mbps Auto-MDIX Fast Ethernet ports • 4 x 10/100/1000Mbps Auto-MDIX Gigabit ports</div><div>• 2 x 1000Base-SX/LX Mini-GBIC slots(shared with 2 Gigabit ports)</div></div>                                                                                                                                                         |
| Data Transfer Rate | <div><div>• Ethernet: 10Mbps/20Mbps (Half/Full-Duplex) • Fast Ethernet: 100Mbps/200Mbps (Half/Full-Duplex)</div><div>• Gigabit Ethernet: 2000Mbps (Full-Duplex)</div></div>                                                                                                                                                                             |
| Address Table      | <div><div>• 8K Entries</div></div>                                                                                                                                                                                                                                                                                                                      |
| Data RAM Buffer    | <div><div>• 17.6 Gbps forwarding capacity</div></div>                                                                                                                                                                                                                                                                                                   |
| Switch Fabric      | <div><div>• 128KBytes</div></div>                                                                                                                                                                                                                                                                                                                       |
| Diagnostic LEDs    | <div><div>• Per Unit: Power, System • Per Fast Ethernet: Link/ACT, 100Mbps • Per Mini-GBIC port: Link/ACT, 1000Mbps</div><div>• Per Copper Gigabit port: Link/ACT, Speed (1000Mbps-green, 100Mbps-amber)</div></div>                                                                                                                                    |
| Power Supply       | <div><div>• 100-240V AC, 50/60Hz internal universal power supply</div></div>                                                                                                                                                                                                                                                                            |
| Power Consumption  | <div><div>• 24 watts (max)</div></div>                                                                                                                                                                                                                                                                                                                  |
| Dimension          | <div><div>• 440 x 310 x 44mm (17.32 x 12.25 x 1.73in.)</div></div>                                                                                                                                                                                                                                                                                      |
| Weight             | <div><div>• 2.6kg (5.78lbs)</div></div>                                                                                                                                                                                                                                                                                                                 |
| Temperature        | <div><div>• Operating: 0°C ~ 40°C (32°F ~ 104°F); storage: -10°C to 70°C (14°F to 158°F)</div></div>                                                                                                                                                                                                                                                    |
| Humidity           | <div><div>• Operating: 10 % ~ 90 % (non-condensing); storage: 5 % ~ 90 % (non-condensing)</div></div>                                                                                                                                                                                                                                                   |
| Certifications     | <div><div>• CE, FCC</div></div>                                                                                                                                                                                                                                                                                                                         |

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## NETWORKING SOLUTIONS



## PACKAGE CONTENTS

- TEG-2248WS
- Multi-Language Quick Installation Guide
- CD-ROM (Utility & User's Guide)
- Power Cord
- Rackmount Kit

## RELATED PRODUCTS

|           |                                                                |
|-----------|----------------------------------------------------------------|
| TEG-448WS | 48-Port Gigabit Web Smart Switch with 4 Shared Mini-GBIC Slots |
| TEG-160WS | 16-port Gigabit Web Smart Switch w/ 2 Shared Mini-GBIC Slots   |
| TEG-240WS | 24-port Gigabit Web Smart Switch with 2 Shared Mini-GBIC slots |

## Optional Module

|               |                                                                |
|---------------|----------------------------------------------------------------|
| TEG-MGBSX     | Mini-GBIC Multi-Mode SX Module                                 |
| TEG-MGBS10    | Mini-GBIC Single Mode LC Module (10m)                          |
| TEG-MGBS40    | Mini-GBIC Single Mode LC Module (40m)                          |
| TEG-MGBS80    | Mini-GBIC Single Mode LC Module (80m)                          |
| TEG-MGBS10D35 | Mini-GBIC Dual Wavelength Single-Mode LC Module 1310/1550 Pair |
| TEG-MGBS40D35 | Mini-GBIC Dual Wavelength Single-Mode LC Module 1310/1550 P    |

## ORDERING INFORMATION

**TRENDnet®**

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**

