



## 48-Port 10/100 Mbps Web Smart Switch w/4 Gigabit Ports and 2 Mini-GBIC Slots TEG-2248WS (B1.0R)

The 48-Port 10/100 Mbps Web Smart Switch with 4 Gigabit Ports and 2 Mini-GBIC Slots (model TEG-2248WS) delivers a 17.6 Gbps 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 10/100 Mbps Auto-MDIX Fast Ethernet ports
- 4 x 10/100/1000 Mbps Auto-MDIX Gigabit ports
- 2 x 1000Base-SX/LX Mini-GBIC slots (shared with 2 Gigabit ports)
- 17.6 Gbps switching capacity
- IEEE 802.3x Full Duplex Flow Control and Back Pressure
- Static 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 128 Kbytes 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

<b>Standards</b>	<ul style="list-style-type: none"><li>• IEEE 802.3 10Base-T</li><li>• IEEE 802.3u 100Base-TX</li><li>• IEEE 802.3ab 1000Base-T</li><li>• IEEE 802.3z 1000Base-SX/LX (Mini-GBIC)</li><li>• IEEE 802.3x Flow Control and Back Pressure</li><li>• IEEE 802.1D Spanning Tree Protocol</li><li>• IEEE 802.1p QoS</li><li>• IEEE 802.1Q VLAN Tag</li><li>• IEEE 802.1X Authentication</li><li>• SNMP v1</li></ul>
<b>Network Media</b>	<ul style="list-style-type: none"><li>• Ethernet: UTP/STP Cat. 3, 4, 5 up to 100m</li><li>• Fast Ethernet: UTP/STP Cat. 5, 5e up to 100m</li><li>• Gigabit: UTP/STP Cat. 5, 5e, 6 up to 100m</li></ul>
<b>Protocol/Topology</b>	<ul style="list-style-type: none"><li>• CSMA/CD, Star</li></ul>
<b>LAN Ports</b>	<ul style="list-style-type: none"><li>• 48 x 10/100 Mbps Auto-MDIX Fast Ethernet ports</li><li>• 4 x 10/100/1000 Mbps Auto-MDIX Gigabit ports</li><li>• 2 x 1000Base-SX/LX Mini-GBIC slots (shared with 2 Gigabit ports)</li></ul>
<b>Data Transfer Rate</b>	<ul style="list-style-type: none"><li>• Ethernet: 10 Mbps/20 Mbps (Half/Full-Duplex)</li><li>• Fast Ethernet: 100 Mbps/200 Mbps (Half/Full-Duplex)</li><li>• Gigabit Ethernet: 2000 Mbps (Full-Duplex)</li></ul>
<b>Address Table</b>	<ul style="list-style-type: none"><li>• 8K Entries</li></ul>
<b>Switch Fabric</b>	<ul style="list-style-type: none"><li>• 17.6 Gbps forwarding capacity</li></ul>
<b>Forwarding rate</b>	<ul style="list-style-type: none"><li>• 13 Mpps</li></ul>
<b>Data RAM Buffer</b>	<ul style="list-style-type: none"><li>• 128 KBytes</li></ul>
<b>Diagnostic LEDs</b>	<ul style="list-style-type: none"><li>• Per unit: Power, System</li><li>• Per Fast Ethernet: Link/ACT, 100 Mbps</li><li>• Per Copper Gigabit port: Link/ACT, Speed (1000 Mbps-green, 100 Mbps-amber)</li><li>• Per Mini-GBIC port: Link/ACT, 1000 Mbps</li></ul>
<b>Power Supply</b>	<ul style="list-style-type: none"><li>• 100-240V AC, 50/60 Hz internal universal power supply</li></ul>
<b>Power Consumption</b>	<ul style="list-style-type: none"><li>• 24 watts (max)</li></ul>
<b>Dimensions (W x D x H)</b>	<ul style="list-style-type: none"><li>• 440 x 310 x 44 mm (17.32 x 12.25 x 1.73 in.)</li></ul>
<b>Weight</b>	<ul style="list-style-type: none"><li>• 2.6 kg (5.78 lbs)</li></ul>
<b>Temperature</b>	<ul style="list-style-type: none"><li>• Operating: 0° ~ 40° C (32° ~ 104° F)</li><li>• Storage: -10° ~ 70° C (14° ~ 158° F)</li></ul>
<b>Humidity</b>	<ul style="list-style-type: none"><li>• Operating: 10% ~ 90% (non-condensing)</li><li>• Storage: 5% ~ 90% RH (non-condensing)</li></ul>
<b>Certifications</b>	<ul style="list-style-type: none"><li>• CE, FCC</li></ul>

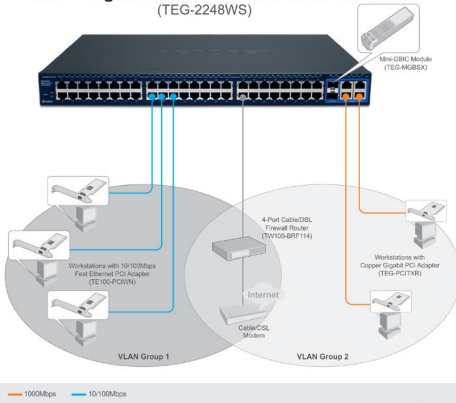
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## NETWORKING SOLUTIONS

48-Port 10/100Mbps Web Smart Switch  
with 4 Gigabit Ports and 2 Mini-GBIC Slots  
(TEG-2248WS)



## PACKAGE CONTENTS

TEG-2248WS

Multi-Language Quick Installation Guide

CD-ROM (Utility & User's Guide)

Power Supply

Rack Mount Kit

## RELATED PRODUCTS

TEG-448WS	48-Port Gigabit Web Smart Switch w/ 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 w/ 2 Shared Mini-GBIC slots

## CONTACT INFORMATION

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