TEG-2248WS
52-Port Gigabit Web-Based Smart Switch

TRENDnet's TEG-2248WS 52-port Gigabit Web-Based Smart Switch is the ideal switch for network segmenting. It has 48 10/100Mbps and 2 10/100/1000Mbps RJ45 ports with Auto-Sensing and Auto-MDIX feature for easy installation. This switch also has 2 Mini-GBIC ports that accept optional gigabit fiber modules for greater flexibility. The TEG-2248WS supports web browser configuration; Network Administrators can use web browsers to configure port speed, port-based VLAN, QoS, Trunking and also to monitor each port's status. TRENDnet's powerful and easy-to-use TEG-2248WS is designed to reduce unnecessary broadcast traffic and enhance network security.
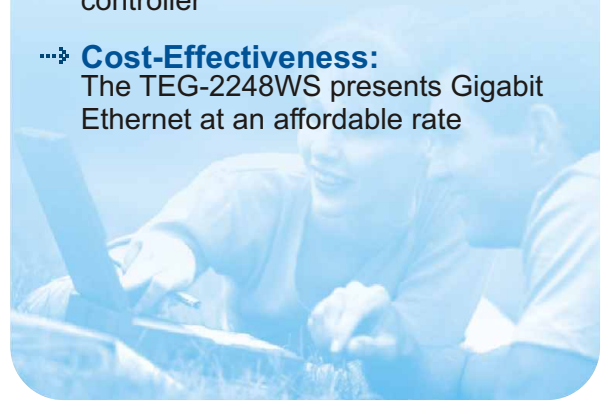
FEATURES

- 48 x 10/100Mbps Auto-Negotiation and Auto-MDIX Fast Ethernet Ports
- 2 x 10/100/1000Mbps Auto-Negotiation and Auto-MDIX Gigabit Ports
- 2 x Mini-GBIC ports for optional LC type Gigabit Fiber Module
- Full/Half-Duplex Transfer Mode for each Port (only Full Duplex Mode for 1000Mbps)
- Store and Forward Switching Architecture
- Integrated address Look-Up Engine with 4K absolute MAC address table
- Supports 1536K bytes RAM Data Buffering
- IEEE 802.3x Flow Control for Full Duplex Mode
- Back Pressure Flow Control for Half Duplex Mode
- Supports Port-Based VLAN (up to 28 groups) * and Port Trunking
- Supports Port-Based IEEE 802.1p QoS (High/Normal)
- Port Settings function, users can set each Port's Availability, Speed, Duplex mode and Flow Control
- Easy Window Based Management Utility and Web-Based Configuration
- Extensive Diagnostic LED's on the front panel
- Standard 1U (19") Rack-Mount Size (Rack-Mount Kit included)
- 5-Year Warranty

  * Port Based VLAN and QoS limited to One Group. Group 1 (Ports 1 - 24) or Group 2 (Ports 25 - 52)

BENEFITS

- **Easy Upgrade:**
  Ethernet workgroups are able to upgrade to Fast Ethernet by changing adapters and a hub without changing switches

- **Expandability:**
  Expand the connection distance with Mini-GBIC connections

- **Flexibility:**
  Connects to 10Base-T, 100Base-TX, and 1000Base-T Networks

- **Performance:**
  Provides non-blocking high performance with internal switch controller

- **Cost-Effectiveness:**
  The TEG-2248WS presents Gigabit Ethernet at an affordable rate

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SPECIFICATIONS

Standards:
- IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3ab 1000Base-T, IEEE 802.3z 1000Base-SX/LX, IEEE 802.3x Full Duplex Flow Control

Network Media:
- Ethernet: UTP/STP Cat. 3, 4, 5
- Fast Ethernet: UTP/STP Cat. 5
- Gigabit : UTP/STP Cat. 5

Protocol:
- CSMA/CD

Topology:
- Star

LAN Port:
- 48 x 10/100Mbps Auto Negotiation, Auto-MDIX Fast Ethernet ports,
- 2 x 10/100/1000Mbps Auto Negotiation, Auto MDIX Gigabit ports
- 2 x Mini GBIC ports for optional Mini-GBIC modules

Data Transfer Rate:
- Ethernet: 10/20Mbps – Half/Full-Duplex
- Fast Ethernet: 100/200Mbps – Half/Full Duplex
- Gigabit Ethernet: 2000Mbps (Full-Duplex)

Diagnostic LEDs:
- Per Unit: Power, System
- Per Fast Ethernet Port: Link/ACT, 100M (port 1~24)
- Per Gigabit Ethernet Port: Link/ACT, 1000M, 100M (port 25,26)

Address Table:
- 4K Entries

Data RAM Buffer:
- 1536KBytes

Power/Consumption:
- 100-240V AC, 50/60Hz Internal Universal Power Supply / 24 watts (max)

Diagnostic LEDs:
- Per Unit: Power, System
- Per Fast Ethernet: Link/ACT Per Cooper Gigabit Port: Link/ACT, Speed (1000M-Green, 100M-Amber) Per Mini-GBIC Gigabit Port: Link/ACT

Dimensions (W x D x H):
- 440 x 200 x 44 mm (17.32" x 7.9" x 1.73")

Weight:
- 2.6kg (5.78lbs)

Temperature:
- Operating: 0° ~ 40° C (32° ~ 104° F)
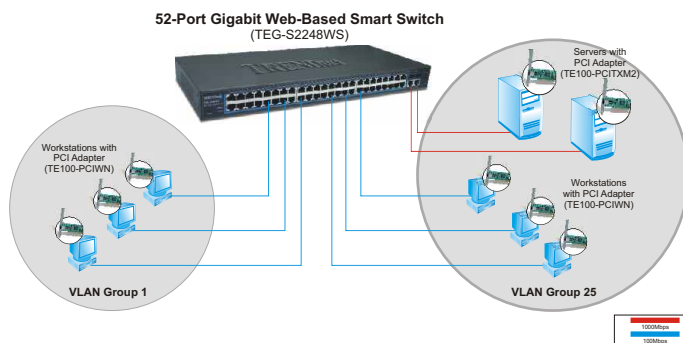- Storage: -10° ~ 70° C (14° ~ 158° F)

Humidity:
- 10% ~ 90% (no-condensing)

Certifications:
- FCC Class A, CE Class A

ISO9001   FC   CE   VCI

NETWORKING SOLUTIONS

52-Port Gigabit Web-Based Smart Switch
(TEG-S2248WS)

Servers with PCI Adapter
(TE100-PCITXM2)

Workstations with PCI Adapter
(TE100-PCIWN)

Workstations with PCI Adapter
(TE100-PCIWN)

VLAN Group 1

VLAN Group 25

1000Mbps
100Mbps

RELATED PRODUCT

┈┈▶ **TEG-2248WS:**
52-Port Gigabit Web-Based Smart Switch

┈┈▶ **TEG-160WS:**
16-Port Gigabit Web-Based Smart Switch

┈┈▶ **TEG-240WS:**
24-Port Gigabit Web-Based Smart Switch

ORDERING INFORMATION

To Order Please Call:
1-888-326-6061

TRENDnet
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