



24-Port 10/100Mbps Web Smart PoE Switch w/4 Gigabit Ports and 2 Mini-GBIC Slots

TPE-224WS [B1.11R]

The 24-Port 10/100Mbps Web Smart PoE Switch with 4 Gigabit Ports and 2 Shared Mini-GBIC Slots (model TPE-224WS) delivers a 12.8Gbps switching capacity with Power over Ethernet (PoE) technology and 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 provide a cost effective, scalable and secure backbone PoE switch solution for SMB networks.

Power over Ethernet (PoE) technology reduces equipment and installation costs by delivering data and power over existing Ethernet cables. SNMP support enables the switch to provide valuable status and event information, saving system administrators time and resources. 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

- 24 x 10/100Mbps Auto-MDIX Fast Ethernet PoE RJ-45 ports
- 4 x 10/100/1000Mbps Auto-MDIX Gigabit ports
- 2 x 1000Base-SX/LX Mini-GBIC slots (shared with Gigabit ports)
- 12.8GBps switching capacity
- IEEE 802.3af Power over Ethernet (PoE) compliant
- PoE power of up to 15.4 watts for each PoE port
- Maximum PoE power of up to 170 watts for all PoE ports
- 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
- Supports Auto-recognition of PoE Powered Device (PD) signature
- Full Wire-Speed Non-Blocking reception and transmission
- Store and Forward switching method
- Integrated address look-up engine with an 8K absolute MAC address table
- Supports 128KBytes 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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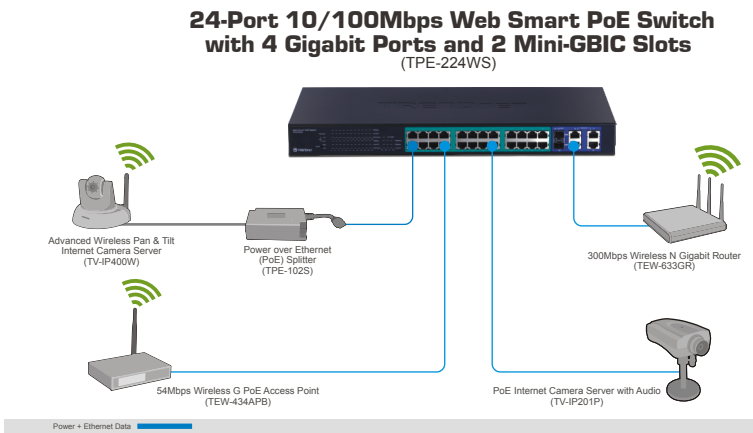
SPECIFICATIONS

Hardware	
Standard	• IEEE 802.3af Power over Ethernet • IEEE 802.3 10Base-T • IEEE 802.3u 100Base-TX • IEEE 802.3ab 1000base-T • IEEE 802.3z 1000Base-SX/LX (Mini-GBIC) • IEEE 802.3x Flow Control and Back Pressure • IEEE 802.3ad Port Trunk • IEEE 802.1D Spanning Tree Protocol • IEEE 802.1p QoS • IEEE 802.1Q VLAN Tag • IEEE 802.1X Authentication • SNMP v1
Network Media	• Ethernet UTP/STP Cat. 3, 4, 5 up to 100m • Fast Ethernet: UTP/STP Cat. 5, 5e up to 100m • Gigabit: UTP/STP Cat. 5, 5e, 6 up to 100m • PoE: 4-pair UTP Cat. 5, 5e up to 100m
Protocol / Topology	• CSMA/CD, Star
LAN Ports	• 24 x 10/100Mbps Auto-MDIX PoE Ports • 4 x 10/100/1000Mbps Auto-MDIX Gigabit Ports • 2 x 1000Base-SX/LX Mini GBIC slots (shared with Gigabit ports)
Data Transfer Rate	• Ethernet: 10/20Mbps (Half/Full Duplex) • Fast Ethernet: 100/200Mbps (Half/Full Duplex) • Gigabit: 2000Mbps (Full Duplex)
Address Table	• 8K entries
Switch Fabric	• 12.8Gbps forwarding capacity
Data RAM Buffer	• 128KBytes
Power Supply	• 100~240V AC, 50/60Hz, internal universal power supply
Diagnostic LEDs	• Per Unit: Power, System • Per Port: Link/Activity, Speed • PoE: PoE Status
Power Consumption	• 26.5 watts (no Powered Device (PD) connected) • 170 watts max. power to PoE ports (11 x 15.4 watts PoE PD connected) • 196.5 watts max. power total consumption
Dimensions (W x D x H)	• 440 x 310 x 44 mm (17.3 x 12 x 1.73 in.)
Weight	• 4.4kg (9.75lbs)
Temperature	• Operating: 0° ~ 40° C (32° ~ 104°F); storage: -10° ~ 70° C (14° ~ 158°F)
Humidity	• 10%- 90% (non-condensing); storage: 5% ~ 90% RH (non-condensing)
Certifications	• CE, FCC
PoE	
Power over Ethernet	• Up to 15.4 watts per Port; Max 170W for all PoE ports • PD classification Identify; Manual setting for PoE power limitation • Supports PoE priority setting; PoE over current protection and PoE short circuit protection • RJ-45 PoE power (pin 3,6 for power+ and pin 1,2 for power-)

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NETWORKING SOLUTIONS



PACKAGE CONTENTS

- TPE-224WS
- Multi-Language Quick Installation Guide
- CD-ROM (Utility & User's Guide)
- Power Cord
- Rack Mount Kit

RELATED PRODUCTS

TV-IP512P	PoE Internet Camera Server with 2-Way Audio
TPE-112GS	Gigabit Power over Ethernet (PoE) Splitter
TPE-80WS	8-Port Gigabit Web Smart PoE Switch

Optional Module

TEG-MGBSX	Mini-GBIC Multi-Mode SX Module
TEG-MGBS10	Mini-GBIC Single-Mode LC Module
TEG-MGBS40	Mini-GBIC Single-Mode LC Module
TEG-MGBS80	Power over Ethernet (PoE) Splitter
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 Pair

ORDERING INFORMATION

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