TRENDNET®

8-Port Gigabit Web Smart PoE Switch
TPE-80WS

The 8-Port 10/100/1000Mbps Web Smart PoE Switch offers advance switching controls and provides power to network devices using Ethernet cables. This scalable and cost effective solution allows a managed network to efficiently expand to previously unattainable levels.

The feature rich 8-port switch offers advanced network management, Link Aggregation, VLAN, trunking and QoS technology to meet the accelerating demand for secure manageable networks. LED displays show device status for easy power management and troubleshooting. PoE technology conveniently eliminates the need to install networked devices, such as TRENDnet IP cameras and access points, near a power outlet, thereby reducing equipment and installation costs.

FEATURES

- IEEE 802.3af Power over Ethernet (PoE) standard

- 8 x 10/100/1000Mbps Auto-Negotiation and Auto-MDIX Gigabit Power over Ethernet RJ45 ports

- Supports PoE power maximum 15.4 watts for each PoE port

- 7-Segment LEDs for individual port status: PoE class, maximum power allocation

- 7-Segment LEDs for system planning: display total balanced system power

- Full wire-speed non-blocking reception and transmission

- Store and forward switching method

- 144kbytes RAM data buffer and 8K entries MAC address table

- IEEE 802.3x flow control for full-duplex mode; back pressure flow control for half-duplex mode

- Supports integrated address look-up engine, automatic address learning and address aging

- Supports IEEE 802.1Q Tag-VLAN, IEEE 802.1D Spanning Tree, IEEE 802.1w RSTP, and IEEE 802.1x (MD5)

- Supports Port-Mirroring and IGMP Multicast functions

- Supports Multicast Storm, Broadcast Storm and Flood control

- Supports QoS on IEEE 802.1p, DSCP for IPv4 and IPv6

- Supports Link Aggregation IEEE 802.3ad and fail over

- Supports Jumbo Frame in all speeds (up to 9kbytes packet frame size)

- Extensive diagnostic LED's on the front panel
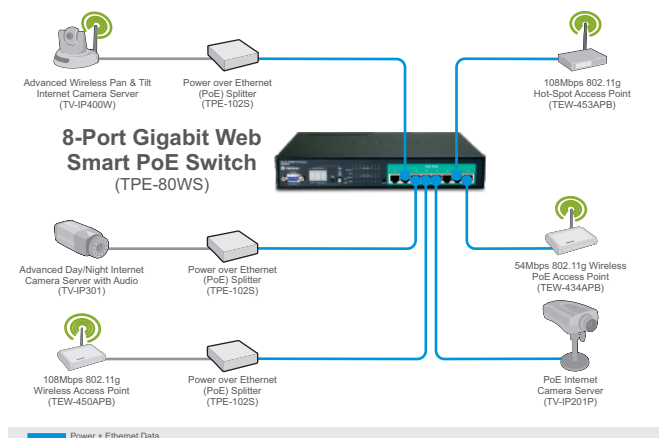
- 3 year warranty

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SPECIFICATIONS

Hardware	
Standard	• IEEE 802.3 10Base-T, IEEE802.3u 100Base-TX, IEEE 802.3z 1000Base-T • IEEE 802.1Q Tag-VLAN, IEEE 802.1D Spanning Tree, IEEE 802.1w RSTP • IEEE 802.1x (MD5), IEEE 802.1p QoS, IEEE 802.3ad Link Aggregation • IEEE 802.3x Flow Control, IEEE 802.3af Power over Ethernet
Network Media	• 10Mbps: Cat 3,4,5 unshielded cable • 100Mbps: Cat 5, 5E, 6 unshielded cable • 1000Mbps: Cat 5E, 6 unshielded cable
Protocol / Topology	• CSMA/CD ; Star
Interface	• 8x 10/100/1000Mbps Auto-MDIX PoE ports • RS-232 serial port for local management
Data Transfer Rate	• Ethernet: 10/20Mbps (half/full duplex) • Fast Ethernet: 100/200Mbps (half/full duplex) • Gigabit: 2000Mbps (full duplex)
RAM Buffer / Filtering	• 144 Kbytes / 8K entry per device
Switch Fabric	• 16G forwarding capacity
Power	• Input: 100~240VAC, 50/60Hz internal power supply
Diagnostic LEDs	• Per unit: Power • Per port: Link/Activity, Speed • PoE: PoE Fault / PoE Operating
Power Consumption	• 6.3 watts max. (no power device connected) • 130 watts max. (with PoE device connected)
Temperature	• Operating: 5° ~ 45° C (41° ~ 113°F); Storage: -20° ~ 70° C (-4° ~ 158°F)
Humidity	• 5%- 90% (non-condensing)
Dimensions	• 280 x 205 x 44mm (11 x 8 x 1.8 inches)
Weight	• 2kg (4 lb)
Certification	• CE, FCC
PoE	
Power over Ethernet	• Power over EthernetUp to 15 watts (-48V) per port; PD classification Identify • PoE over current protection; PoE circuit shorting protection (max 350mA) • PoE power on RJ-45 pin 3,6 for power+ and pin 1,2 for power-

NETWORKING SOLUTIONS

Advanced Wireless Pan & Tilt Internet Camera Server (TV-IP400W)

Power over Ethernet (PoE) Splitter (TPE-102S)

108Mbps 802.11g Hot-Spot Access Point (TEW-453APB)

8-Port Gigabit Web Smart PoE Switch (TPE-80WS)

Advanced Day/Night Internet Camera Server with Audio (TV-IP301)

Power over Ethernet (PoE) Splitter (TPE-102S)

54Mbps 802.11g Wireless PoE Access Point (TEW-434APB)

108Mbps 802.11g Wireless Access Point (TEW-450APB)

Power over Ethernet (PoE) Splitter (TPE-102S)

PoE Internet Camera Server (TV-IP201P)

▬ Power + Ethernet Data

PACKAGE CONTENTS

• TPE-80WS

• Multi-language quick installation guide

• User's guide CD-ROM

• RS-232 serial cable

• Power cord & rack mount kit

RELATED PRODUCTS

TPE-101I	Power over Ethernet (PoE) Injector
TPE-102S	Power over Ethernet (PoE) Splitter

ORDERING INFORMATION

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