TPE-5240WS

Trendnet TPE-5240WS 52-Port Gigabit Web Smart PoE+ Switch

Product Overview

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Specifications

Overview:

TRENDnet's 52-Port Gigabit Web Smart PoE+ Switch, model TPE-5240WS, delivers advanced management features with a 104Gbps switching capacity. This rack mountable IPv6 ready switch comes with an intuitive web-based interface. Advanced traffic management controls, troubleshooting, and SNMP monitoring make this a powerful solution for SMB networks. The TPE-5240WS provides 48 gigabit PoE+ ports with a total power budget of 370W, and four shared gigabit ports (RJ-45 or SFP). The PoE+ standard supplies up to 30W of power per port for devices such as high power wireless access points, PTZ (Pan Tilt Zoom) Internet cameras, and VoIP telephony systems.

Features:

Web Smart Management
Provides an easy-to-use web-based GUI management for reduced switch configuration complexity and offers a combination of SMB management features for easy deployment.

Integration Flexibility
Managed features include access control lists, VLAN, IGMP snooping, QoS, RMON, SNMP trap, and syslog for monitoring and flexible network integration.

PoE Power
A 370W PoE power budget supplies power to PoE/PoE+ devices.

Hardware Design
Provides 48 gigabit PoE+ ports, 4 shared gigabit ports (RJ-45 or SFP), a 104Gbps switching capacity, a built-in power supply, and rackmount brackets.

PoE Power
Supplies up to 30W of PoE+ power per port with a total power budget of 370W.

IPv6 Ready
This switch supports IPv6 configuration and IPv6 neighbor discovery.

Traffic Management
A broad range of network configurations are supported by: 802.3ad link aggregation, Asymmetric VLAN, 802.1Q VLAN, Voice VLAN, RSTP, MSTP, Loopback Detection, GVRP, 802.1p Class of Service (CoS), port bandwidth management, and QoS queue scheduling.

Troubleshooting
A convenient cable diagnostic test and traffic statistics aid in network troubleshooting

Access Control
Features such as ACL, SSL, MAC/port filtering, 802.1X, TACACS+, and RADIUS are compatible with layered access controls

Monitoring
RMON, SNMP, SNMP Trap, and Port Mirroring support administrator monitoring solutions

Specifications:

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Specifications	
Product Code	TPE-5240WS
Standards	IEEE 802.1d
	IEEE 802.1p
	IEEE 802.1Q
	IEEE 802.1s
	IEEE 802.1w
	IEEE 802.1X
	IEEE 802.1ab
	IEEE 802.3
	IEEE 802.3u
	IEEE 802.3x
	IEEE 802.3z
	IEEE 802.3ab
	IEEE 802.3ad
	IEEE 802.3af
	IEEE 802.3at
	IEEE 802.3az
Device Interface	48 x Gigabit PoE+ ports
	4 x Shared Gigabit ports (RJ-45/SFP)
	LED indicators

Data Transfer Rate	Ethernet: 10Mbps (half duplex), 20Mbps (full duplex)
	Fast Ethernet: 100Mbps (half duplex), 200Mbps (full duplex)
	Gigabit Ethernet: 2000Mbps (full duplex)
Performance	Switch fabric: 104Gbps
	RAM buffer: 1.5MB
	MAC Address Table: 16K entries
	Jumbo Frames: 10KB
	HOL Blocking Prevention
	Forwarding rate: 77.4Mpps (64-byte packet size)
Management	HTTP/HTTPS (SSL v2/3 TLS) Web based GUI
	SNMP v1, v2c, v3
	RMON v1
	Static Unicast MAC Address
	Enable/disable 802.3az Power Saving
	LLDP and LLDP-MED
	Virtual Cable Diagnostics Test
	IPv6: IPv6 Neighbor Discovery, IPv6 Static IP, DHCPv6, Auto configuration

MIB	IP FORWARD TABLE MIB RFC 1354
	RMON MIB RFC 1271
	IPV4 MIB RFC 1213
	IPV6 MIB RFC 2465
	GVRP MIB IEEE 802.1Q-VLAN
	LA MIB IEEE 802.3ad
	LLDP MIB IEEE 802.1AB
	IGMP SNOOPING MIB RFC 2933
	MLD SNOOPING MIB RFC 3019
	PRIVATE VLAN MIB IEEE 802.1Q
	DHCPSNOOP MIB RFC 2026
	QOS MIB RFC 4323
	SNMP MIB RFC 3415
	STP MIB RFC 4318
	PNAC MIB IEEE 802.1x
	VLAN MIB IEEE 802.1q
	DNS MIB RFC 1611
	ACL MIB
	BANDWIDTH CTRL MIB
	LBD MIB
	MIRROR MIB
	IPV6 NEIGHBOR MIB
	SNTP MIB
	STORM CTRL MIB
	STATISTICS MIB
	Tool MIB
	VOICE VLAN MIB
	DOS MIB
Spanning Tree	IEEE 802.1D STP (Spanning Tree protocol)
	IEEE 802.1w RSTP (Rapid Spanning Tree protocol)
	IEEE 802.1s MSTP (Multiple Spanning Tree protocol)
Link Aggregation	Static Link Aggregation
	802.3ad Dynamic LACP
Quality of Service (QoS)	802.1p Class of Service (CoS)
	DSCP (Differentiated Services Code Point)
	Bandwidth Control per port
	Queue Scheduling: Strict Priority, Weighted Round Robin (WRR)

VLAN	Multiple management VLAN assignment
	Asymmetric VLAN
	802.1Q Tagged VLAN
	Dynamic GVRP
	Up to 256 VLAN groups, ID Range 1-4094
	Private VLAN (Protected Ports)
	Voice VLAN (10 user defined OUIs)
Multicast	IGMP Snooping v1, v2, v3 (per VLAN)
	Static Multicast Address
	Up to 256 multicast entries
Port Mirror	RX, TX, or Both
	One to one
Encryption	802.1X Port-Based Network Access Control, RADIUS, TACACS+
	Local Dial In User Authentication
	DHCP Snooping (per VLAN)
	Loopback Detection
	Duplicated Address Detection
	Trusted Host
	Denial of Service (DoS)
ACL IPv4 L2-L4 & IPv6	MAC Address
	VLAN ID
	Ether Type (IPv4 only)
	IP Protocol 0-255
	TCP/UDP Port 1-65535
	802.1p
	DSCP (IPv4 only)
	IPv6 Address (IPv6 only)
Compatibility	Optional Software Utility: Windows 10, 8.1, 8, 7, Vista, XP, Windows 2003/2008 Server
Special Features	PoE+
	IPv6
	802.3az power saving
	Rack mountable
Power	Input: 100 - 240V AC, 50/60Hz, internal power supply
	Consumption: 479W (max.)
	Power Budget: 370W
Fan/Acoustics	Quantity: 3
	Noise Level: 52.4 dBA (max.)

MTBF	239,897 hours
Operating Temperature	-5 - 50 degreesC (23 - 122 degreesF)
Operating Humidity	Max. 95% non-condensing
Dimensions	440 x 430 x 44mm (17.3 x 17 x 1.74 in.)
	Rack mountable 1U height
Weight	6.12kg (13.5 lbs.)
Certifications	CE
	FCC
	UL

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx-computers.co.za/TPE-5240WS-Trendnet-TPE-5240WS-52-Port-Gigabit-Web-Smart-PoE-Switch-p-210973.php

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