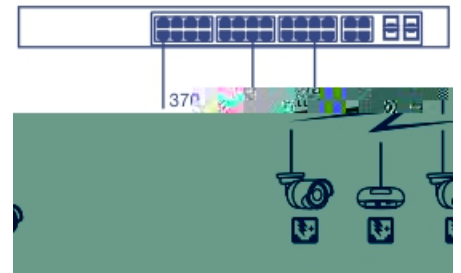
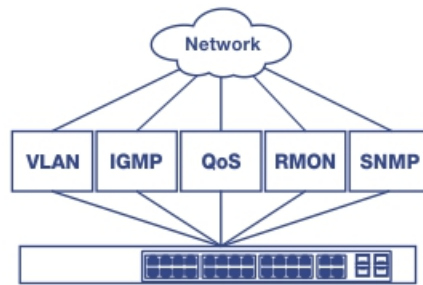
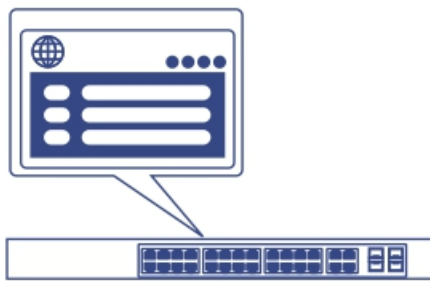




TPE-5028WS (v1.0R)

- 24 x Gigabit PoE+ ports
- 4 x Shared Gigabit ports (RJ-45 or SFP)
- 370W PoE power budget
- Easy-to-use web-based management interface
- Supports IPv6, LACP, VLAN, QoS, and IGMP Snooping
- Bandwidth control per port
- Private and Voice VLAN support
- Smart Fan
- 56Gbps switching capacity
- IEEE 802.1p QoS with queue scheduling support

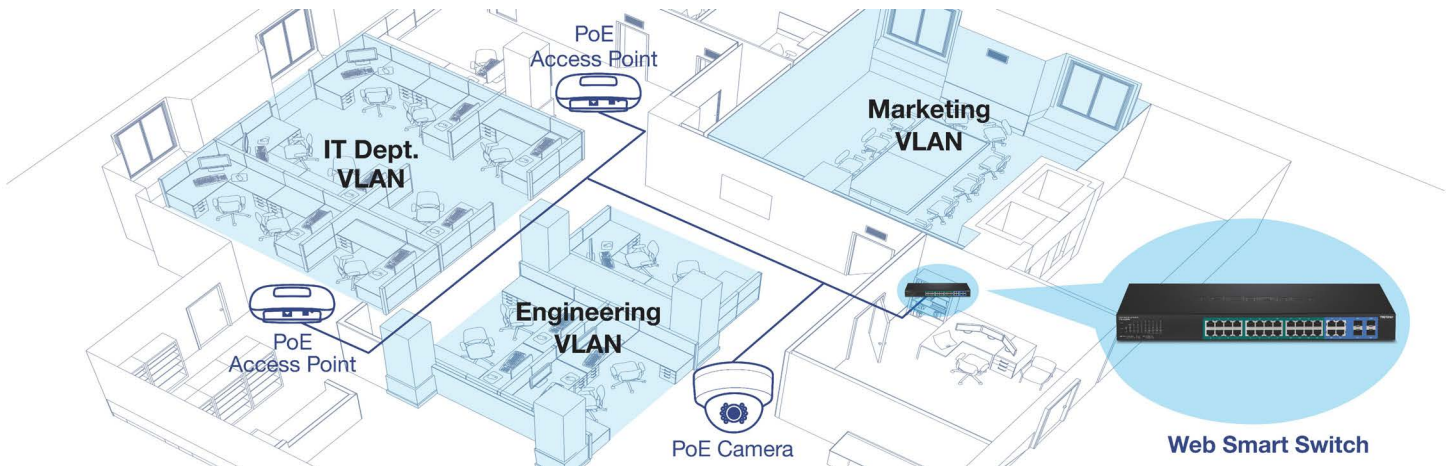
TRENDnet's 28-Port Gigabit Web Smart PoE+ Switch, model TPE-5028WS, delivers advanced management features with a 56Gbps switching capacity. This rack mountable IPv6 ready switch comes with an intuitive web-based interface. Advanced traffic management controls, troubleshooting, and SNMP monitoring make this a powerful solution for SMB networks. The TPE-5028WS provides 24 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.



Provides an easy-to-use web-based management interface to reduce switch configuration complexity and offers a combination of SMB management features for easy deployment.

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

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





Provides 24 gigabit PoE+ ports, 4 shared gigabit ports (RJ-45 or SFP), a 56Gbps switching capacity, a built-in power supply, and rackmount brackets.



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



This switch supports IPv6 configuration and IPv6 neighbor discovery.



A broad range of network configurations are supported: 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.



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



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



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

- 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

- 24 x Gigabit PoE+ ports
- 4 x Shared Gigabit ports (RJ-45/SFP)
- LED indicators

- Ethernet: 10Mbps (half duplex), 20Mbps (full duplex)
- Fast Ethernet: 100Mbps (half duplex), 200Mbps (full duplex)
- Gigabit Ethernet: 2000Mbps (full duplex)

- Switch fabric: 56Gbps
- RAM buffer: 4.1Mbits
- MAC Address Table: 8K entries
- Jumbo Frames: 10Kbytes
- HOL Blocking Prevention
- Forwarding rate: 41.7Mpps (64-byte packet size)

- 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

- 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
- DHCP Snooping 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

- IEEE 802.1D STP (Spanning Tree protocol)
- IEEE 802.1w RSTP (Rapid Spanning Tree protocol)
- IEEE 802.1s MSTP (Multiple Spanning Tree protocol)

- Static Link Aggregation
- 802.3ad Dynamic LACP

- 802.1p Class of Service (CoS)
- DSCP (Differentiated Services Code Point)
- Bandwidth Control per port
- Queue Scheduling: Strict Priority, Weighted Round Robin (WRR)

- 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)

- IGMP Snooping v1, v2, v3 (per VLAN)
- Static Multicast Address
- Up to 256 multicast entries

- RX, TX, or Both
- One to one

- 802.1X Port-Based Network Access Control , RADIUS, TACACS+
- Local Dial In User Authentication