



EW-24PMNPOE1G4C

Make & Model

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HARDWARE FEATURES

Interface	<ul style="list-style-type: none">• 24× 10/100/1000 Mbps RJ45 Ports• 4× Gigabit SFP Slots• 1× RJ45 Console Port• 1× Micro-USB Console Port
Fan Quantity	Fanless
Power Supply	100-240 V AC~50/60 Hz
Mounting	Rack Mountable
Max Power Consumption	<ul style="list-style-type: none">• V1: 19.22 W (110 V/60 Hz)• V2: 19.9 W (220 V/50 Hz)
Max Heat Dissipation	<ul style="list-style-type: none">• V1: 65.58 BTU/hr (110 V/60 Hz)• V2: 67.73 BTU/h (220 V/50 Hz)



PERFORMANCE

Switching Capacity	56 Gbps
Packet Forwarding Rate	41.66 Mpps
MAC Address Table	<ul style="list-style-type: none">• V1: 8K• V2 and above: 16K
Jumbo Frame	9 KB

SOFTWARE FEATURES

Quality of Service	<ul style="list-style-type: none">• 8 priority queues• 802.1p CoS/DSCP priority• Queue scheduling<ul style="list-style-type: none">- SP (Strict Priority)- WRR (Weighted Round Robin)- SP+WRR• Bandwidth Control<ul style="list-style-type: none">- Port/Flow based Rating Limiting• Smoother Performance• Action for Flows<ul style="list-style-type: none">- Mirror (to supported interface)- Redirect (to supported interface)- Rate Limit- QoS Remark
L3 Features	<ul style="list-style-type: none">• 16 IPv4/IPv6 Interfaces• Static Routing<ul style="list-style-type: none">- 48 static routes• Static ARP• 316 ARP Entries• Proxy ARP• Gratuitous ARP• DHCP Server• DHCP Relay• DHCP L2 Relay
L2 and L2+ Features	<ul style="list-style-type: none">• Link Aggregation<ul style="list-style-type: none">- Static link aggregation

	<ul style="list-style-type: none"> - 802.3ad LACP - Up to 8 aggregation groups and up to 8 ports per group • Spanning Tree Protocol - 802.1d STP - 802.1w RSTP - 802.1s MSTP - STP Security: TC Protect, BPDU Filter, BPDU Protect, Root Protect, Loop Protect • Loopback Detection - Port-based - VLAN based • Flow Control - 802.3x Flow Control - HOL Blocking Prevention • Mirroring - Port Mirroring - CPU Mirroring - One-to-One - Many-to-One - Tx/Rx/Both
L2 Multicast	<ul style="list-style-type: none"> • Supports 511 (IPv4, IPv6) IGMP groups • IGMP Snooping - IGMP v1/v2/v3 Snooping - Fast Leave - IGMP Snooping Querier - IGMP Authentication • IGMP Authentication • MVR • MLD Snooping - MLD v1/v2 Snooping - Fast Leave - MLD Snooping Querier - Static Group Config - Limited IP Multicast • Multicast Filtering: 256 profiles and 16 entries per profile
Advanced Features	<ul style="list-style-type: none"> • Automatic Device Discovery • Batch Configuration • Batch Firmware Upgrading • Intelligent Network Monitoring • Abnormal Event Warnings • Unified Configuration • Reboot Schedule

<p>VLAN</p>	<ul style="list-style-type: none"> • VLAN Group <ul style="list-style-type: none"> - Max 4K VLAN Groups • 802.1q Tagged VLAN • MAC VLAN: 12 Entries • Protocol VLAN: Protocol Template 16, Protocol VLAN 16 • GVRP • VLAN VPN (QinQ) <ul style="list-style-type: none"> - Port-Based QinQ - Selective QinQ • Voice VLAN
<p>Access Control List</p>	<ul style="list-style-type: none"> • Time-based ACL • MAC ACL <ul style="list-style-type: none"> - Source MAC - Destination MAC - VLAN ID - User Priority - Ether Type • IP ACL <ul style="list-style-type: none"> - Source IP - Destination IP - Fragment - IP Protocol - TCP Flag - TCP/UDP Port - DSCP/IP TOS - User Priority • Combined ACL • Packet Content ACL • IPv6 ACL • Policy <ul style="list-style-type: none"> - Mirroring - Redirect - Rate Limit - QoS Remark • ACL apply to Port/VLAN
<p>Security</p>	<ul style="list-style-type: none"> • IP-MAC-Port Binding <ul style="list-style-type: none"> - DHCP Snooping - ARP Inspection - IPv4 Source Guard • IPv6-MAC-Port Binding <ul style="list-style-type: none"> - DHCPv6 Snooping - ND Detection

	<ul style="list-style-type: none"> - IPv6 Source Guard • DoS Defend • Static/Dynamic Port Security - Up to 64 MAC addresses per port • Broadcast/Multicast/Unicast Storm Control - kbps/ratio/pps control mode • IP/Port/MAC based access control • 802.1X - Port based authentication - Mac based authentication - VLAN Assignment - MAB - Guest VLAN - Support Radius authentication and accountability • AAA (including TACACS+) • Port Isolation • Secure web management through HTTPS with SSLv3/TLS 1.2 • Secure Command Line Interface (CLI) management with SSHv1/SSHv2
IPv6	<ul style="list-style-type: none"> • IPv6 Dual IPv4/IPv6 • Multicast Listener Discovery (MLD) Snooping • IPv6 ACL • IPv6 Interface • Static IPv6 Routing • IPv6 neighbor discovery (ND) • Path maximum transmission unit (MTU) discovery • Internet Control Message Protocol (ICMP) version 6 • TCPv6/UDPv6 • IPv6 applications - DHCPv6 Client - Ping6 - Tracert6 - Telnet (v6) - IPv6 SNMP - IPv6 SSH - IPv6 SSL - Http/Https - IPv6 TFTP
MIBs	<ul style="list-style-type: none"> • MIB II (RFC1213) • Bridge MIB (RFC1493) • P/Q-Bridge MIB (RFC2674)

	<ul style="list-style-type: none"> • Radius Accounting Client MIB (RFC2620) • Radius Authentication Client MIB (RFC2618) • Remote Ping, Traceroute MIB (RFC2925) • Support TP-Link private MIBs • RMON MIB(RFC1757, rmon 1,2,3,9)
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MANAGEMENT

Management Features	<ul style="list-style-type: none"> • Web-based GUI • Command Line Interface (CLI) through console port, telnet • SNMPv1/v2c/v3 <ul style="list-style-type: none"> - Trap/Inform - RMON (1, 2, 3, 9 groups) • SDM Template • DHCP/BOOTP Client • 802.1ab LLDP/LLDP-MED • DHCP Auto Install • Dual Image, Dual Configuration • CPU Monitoring • Cable Diagnostics • EEE • Password Recovery • SNTP • System Log
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OTHERS

Environment	<ul style="list-style-type: none"> • Operating Temperature: 0–45 °C (32–113 °F); • Storage Temperature: -40–70 °C (-40–158 °F) • Operating Humidity: 10–90% RH non-condensing • Storage Humidity: 5–90% RH non-condensing
System Requirements	Microsoft® Windows® 98SE, NT, 2000, XP, Vista™ or Windows 7/8/10/11, MAC® OS, NetWare®, UNIX® or Linux.
Certification	CE, FCC, RoHS, ISO