EW-24P2.5GPOE10G4

Make & Model

Make	eWit
Model	EW-24P2.5GPOE10G4

HARDWARE FEATURES

Interface	• 24× 2.5 Gbps RJ45 Ports (8× PoE++, 16× PoE+) • 4× 10G SFP+ Slots • 1× RJ45 Console Port • 1× Micro-USB Console Port
Fan Quantity	3
Physical Security Lock	√
Power Supply	100-240 V AC~50/60 Hz
PoE+ Ports (RJ45)	• Standard: 802.3bt/at/af compliant • PoE++ Ports (802.3bt/at/af PoE): 8 Ports, up to 60 W per port • PoE+ Ports (802.3at/af PoE): 16 Ports, up to 30 W per port • Power Budget: 500 W
Mounting	Rack Mountable

Max Power Consumption	629.1 W (110V/60Hz)
Max Heat Dissipation	2153.45 BTU/h (110 V/60 Hz)

PERFORMANCE

Switching Capacity	200 Gbps
Packet Forwarding Rate	148.80 Mpps
MAC Address Table	32 K
Packet Buffer Memory	16 Mbit
Jumbo Frame	9 KB

SOFTWARE FEATURES

Quality of Service	• 8 priority queues • 802.1p CoS/DSCP priority • Queue scheduling: SP (Strict Priority), WRR (Weighted Round Robin), SP+WRR • Bandwidth Control: Port/Flow-based Rating Limiting • Smoother Performance • Action for Flows: QoS remark (802.1P Remark, DSCP Remark)
L2 and L2+ Features	• 32 IP Interfaces: Support IPv4/IPv6 Interface • Static Routing: 48 IPv4/IPv6 Static Routes • Static ARP: 128 static entries • 512 ARP Entries • Proxy ARP • Gratuitous ARP • DHCP Server • DHCP Relay: DHCP Interface Relay, DHCP VLAN Relay • DHCP L2 Relay • Link Aggregation • Spanning Tree Protocol • Loopback Detection

	• 802.3x Flow Control • Mirroring
L2 Multicast	• Supports 511 (IPv4, IPv6) IGMP groups • IGMP Snooping • IGMP Authentication • Multicast VLAN Registration (MVR) • MLD Snooping • Multicast Filtering: 256 profiles and 16 entries per profile
Advanced Features	• Automatic Device Discovery† • Batch Configuration† • Batch Firmware Upgrading† • Intelligent Network Monitoring† • Abnormal Event Warnings† • Unified Configuration† • Reboot Schedule† ISP Features***: • L2PT (Layer 2 Protocol Tunneling) • Device Link Detect Protocol (DLDP) • PPPoE ID Insertion • ERPS • 802.3ah Ethernet Link OAM • DDM
VLAN	• VLAN Group: Max 4K VLAN Groups • 802.1q Tagged VLAN • MAC VLAN: 256 Entries • Protocol VLAN: Protocol Template 16, Protocol VLAN 16 • Private VLAN • GVRP • VLAN VPN: VLAN Mapping, VLAN Replace • Voice VLAN
Access Control List	• Time-based ACL • MAC ACL: Source MAC, Destination MAC, VLAN ID, User Priority, Ether Type • IP ACL: Source IP, Destination IP, Fragment, IP Protocol, TCP Flag, TCP/UDP Port, DSCP/IP TOS • Combined ACL • Packet Content ACL • IPv6 ACL

	• Policy: Mirroring, Redirect, Rate Limit, QoS Remark • ACL applies to Port/VLAN
Security	• IP-MAC-Port Binding - 512 Entries - DHCP Snooping - ARP Inspection - IPv4 Source Guard: 100 Entries • IPv6-MAC-Port Binding - 512 Entries - DHCPv6 Snooping - ND Detection - ND Snooping - IPv6 Source Guard: 100 Entries • DoS Defend • DHCP Filter • Static/Dynamic Port Security: Up to 64 MAC addresses per port • Broadcast/Multicast/Unicast Storm Control: kbps/ratio/pps control mode • 802.1X - Port-based authentication - Mac-base authentication - VLAN Assignment - MAB - Guest VLAN - Radius authentication and accountability support • AAA (including TACACS+) • Port Isolation • Secure web management through HTTPS with SSLv3/TLS 1.2 • Secure Command Line Interface (CLI) management with SSHv1/SSHv2 • IP/Port/MAC-based access control
IPv6	• 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	• MIB II (RFC1213) • Interface MIB (RFC2233) • Ethernet Interface MIB (RFC1643) • Bridge MIB (RFC1493) • P/Q-Bridge MIB (RFC2674) • RMON MIB (RFC2819) • RMON2 MIB (RFC2021) • Radius Accounting Client MIB (RFC2620) • Radius Authentication Client MIB (RFC2618) • Remote Ping, Traceroute MIB (RFC2925) • Support TP-Link private MIB

MANAGEMENT

Management Features	• Web-based GUI • Command Line Interface (CLI) through the console port, telnet • SNMP v1/v2c/v3 - Trap/Inform - RMON (1,2,3,9 groups) • SDM Template • DHCP/BOOTP Client • 802.1ab LLDP/LLDP-MED • DHCP AutoInstall • Dual Image, Dual Configuration • CPU Monitoring • Cable Diagnostics • EEE • Password Recovery • SNTP • System Log

OTHERS

Environment	• Operating Temperature: 0–50 ℃ (32–122 ℉); • Storage Temperature: -40–70 ℃ (-40–158 ℉) • 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

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