EW-P5016162L2

* 16 10/100/1000Base-T PoE + 2 Gigabit SFP/RJ45 Copper Combo Ports

* 200W PoE power budget
* IEEE 802.3at/af PoE, up to 30W per port
* Layer 2 + Full Managed Software Features
* 4K VLAN, 8 queues QoS, Advanced VLANs
* MSTP, LACP, LLDP, sFlow, 802.1X, TACAS+, ACL
* IPv4/v6 dual protocol
* 13" Metal housing

16-Port 10/100/1000Base-T PoE + 2 Gigabit SFP/RJ45 Combo Ports Layer 2+ Management PoE Switch

Introduction

EW-P5016162L2 is 16-port 10/100/1000Base-T + 2 Gigabit SFP/RJ45 Copper Combo Ports L2 + Management PoE Switch that is designed for small or medium network environment to strengthen its network connection. The 16 10/100/1000Base-T ports support IEEE 802.3at/af PoE technology, up to 30W per port and maximum 100m transmission distance. The switch equipped with AC to DC power module to support 200W power budget for PoE power. The added 2 SFP/RJ45 combo ports support 100M and Gigabit Fiber transceiver for long distance transmission. The switch also supports Layer 2+ full management software features. These features are powerful to provide PoE Control, Network Control, Management, Monitor and Security features' requests. It is a superb choice to boost your network with better performance, efficiency and high PoE power consumption.

IEEE 802.3at/af Power over Ethernet (PoE) ports

The switch features 16 IEEE 802.3 at/af Power over Ethernet (PoE) ports that supply up to 30 watts per port. This product can convert standard 100~240V/AC power into low-voltage DC that runs over existing LAN cable to power up IEEE 802.3at/af compliant network accessories. It also features PoE awareness to verify whether the network device receive power is IEEE 802.3at/af compliant, or only the data will be sent through LAN cable. By adding the switch to the existing networking, installing networking products such as Access Points and IP cameras can be easily managed and set up. Wireless device deployments are easily located with available power outlets and network administrators don't need to use heavy AC power adapters anymore.

2 Gigabit RJ45 Copper/SFP Combo Ports

EW-P5016162L2 supports 2 Gigabit Copper/SFP Combo Ports to uplink to servers, storage, or other switching devices for long loop reach applications

Full Layer 2+ Management Features

The switch includes full Layer 2+ Management features. The software set includes up to 4K 802.1Q VLAN and advanced Protocol VLAN, Private VLAN, MVR…advanced VLAN features. There are 8 physical queues Quality of Service, IPv4/v6 Multicast filtering, Rapid Spanning Tree protocol to avoid network loop, Multiple Spanning Tree Protocol to integrate VLAN and Spanning Tree, LACP, LLDP; sFlow, port mirroring, cable diagnostic and advanced Network Security features. It also provides Console CLI for out of band management and SNMP, Web GUI for in band Management.

Advanced Security

The switch supports advanced security features. For switch management, there are secured HTTPS and SSH, the login password, configuration packets are secured. The port binding allows to bind specific MAC address to the port, only the MAC has the privilege to access the network. The 802.1X port based Access Control, every user should be authorized first when they want to access the network. AAA is the short of the Authentication, Authorization and Accounting with RADIUS, TACAS+ server. Layer 2+ Access Control List allows user to define the access privilege based on IP, MAC, Port number…etc

Technical Specifications

Standard	Ethernet: IEEE 802.3, 802.3u, 802.3ab, 802.3z, 802.3az EEE
	PoE: IEEE 802.3af PoE, IEEE 802.3at PoE+
	Protocol: IEEE 802.3x - Flow Control, IEEE 802.1Q – VLAN, IEEE 802.1p - Class of Service, IEEE 802.1D - Spanning Tree, IEEE 802.1w - Rapid Spanning Tree, IEEE 802.1s - Multiple Spanning Tree, IEEE 802.3ad - Link Aggregation Control Protocol (LACP), IEEE802.1v - Protocol VLAN, IEEE 802.1AB - LLDP (Link Layer Discovery Protocol), IEEE 802.1X - Access Control
Interface	**Number of Port:** 18
	10/100/1000Base RJ-45 Port: 16, Auto-negotiation, Auto MDI/MDIX
	100/1000 SFP/RJ45 Copper Combo Ports: 2
Performance	**Switch Fabric:** 32Gbps
	MAC Address Table Size: 8K
	Forwarding Rate: 26.8Mpps
	Packet Buffer: 4Mb
PoE Features	**802.3af/at Compliant**
	Max. Power Output Per Port: 30W
	PoE Power Budge: 200W
	PoE Management:
	Enable/Disable per-port
	Priority Setting per-port
	Maximum Power per-port/system
	PoE Mode Setting per-port
	PD Classification, PoE Status
L2 Features	**Flow Control:** 802.3x (Full-duplex)ort/ Back-Pressure (Half-duplex)
	Spanning Tree:
	IEEE 802.1D-2004(Includes IEEE 802.1w): Rapid Spanning Tree Protocol
	802.1s Multiple Spanning Tree Protocol
	Loop Detection
	VLAN:
	IEEE 802.1Q Tagged Based, Max. VLAN Group: 4K
	QinQ
	Port-based VLAN
	Voice VLAN
	Private VLAN
	MVR
	MAC-Based VLAN
	Protocol-Based VAN
	Link Aggregation:
	Static Trunk & IEEE 802.3ad with LACP
	Max. Group: 5
	Max. Ports/Group: 8
	IGMP Snooping:
	IGMP Snooping v1/v2/v3
	IPv6 MLD Snooping v1/v2
	Querier support/ IGMP Filtering, IGMP Leave Proxy, Immediate Leave
	Storm Control: Broadcast/ Multi-cast/ Un-known Unicast
	Jumbo Frame Support: 9K

QoS Features	**Number of Priority queue:** 8 queues/ port
	Scheduling for priority queue : WRR/Strict Priority scheduling/Hybrid
	CoS :
	802.1p/ IP Precedence/ IP TOS Precedence
	IP DSCP/ Port based Priority
	Rate Limiting: Ingress/Egress: 1Kbps/ 1pps granularity
	DiffServ (RFC2474) remarking
Security	**User Name / Password Protection**
	User Privilege: up to 15 levels
	IEEE 802.1x: Port-based Access Control
	IP Source Guard
	MAC Based Authentication
	Web-based Authentication
	HTTPS
	SSHv2
	RADIUS: Authentication/ Accounting
	TACACS+: Authentication
	ACL (Access control list)
Management	**Command Line Interface (CLI)**
	Web Based Management
	Telnet
	Access Management Filtering: SNMP/WEB/SSH/TELNET
	SNMP: v1/v2c/v3
	RMON: RMON (1,2,3, & 9 groups)
	DHCP: Client/ Relay/ Option82/ Snooping
	Event/Error Log
	Software Download/ Upgrade: HTTP
	Configuration Download / Upload
	sFlow
	Port Mirroring: One to One/ Many to One
	Remote Ping
	NTP/LLDP
	UPnP
	EEE Configuration
	Cable Diagnostics
	IPv6 Configuration
Power Input	**DC 48V**
Power Consumption	**PoE Budget:** max. 200W
	System: 15W
Mechanical	**Dimension(H*W*D) :** 44*330*210mm
	Weight : 2.5 kg
Operating Temperature	0~40℃
Humidity	5~90% (non-condensing)
Certification	CE, FCC Class A