36-Port Gigabit Managed PoE Switch

EV-POE33036PFM-L3

36 Ports Gigabit Managed PoE Switch

Product Description

36-port 10 Gigabit uplink 4-port Gigabit Layer 3 managed Ethernet switch. Support 16 * 10/100/1000 PoE ports, 8*10/100/1000M RJ45(COMBO), 8*100/1000M SFP(COMBO), 4 * 10 Gb SFP+ ports and 1 console port. Perfect security control strategy and CPU protect policy improve fault tolerance and ensure stable operation of the network and load balancing of the interconnection; The device supports automatic DoS attack defense and SNMP, IEEE 802.1, STP, RSTP, Link aggregation, and other functions. With advanced security functions and quality of service (QoS), it can be used as core layer, distribution layer, and access layer switch with high density port and easy management, is an ideal choice for various business network applications.

Features

- 16 * 10/100/1000 PoE ports, 8*10/100/1000M RJ45(COMBO), 8*100/1000M SFP(COMBO), 4 * 10 Gb SFP+ ports and 1 console port;
- Support IEEE 802.1d、IEEE 802.1w、IEEE 802.1s、IEEE 802.1p、IEEE 802.3、IEEE 802.3u、IEEE 802.3x、IEEE 802.3z、IEEE 802.3ab、IEEE 802.3ae standards ;
- L3 management, support DHCP Server, QoS, ACL, SNMP V1/V2/V3, IGMP Snooping v1/v2；
- Support STP/RSTP/MSTP (ERPS), Support loop detection and self-healing, support remote loopback monitoring and control（802.3ah OAM）; Support IPV4/IPV6,RIP,OSPF
- Support multiple VLAN division, MAC VLAN, Protocol VLAN, Private VLAN;
- Support IP address + MAC address + VLAN + Port binding, DHCP Snooping, support IP source and DAI protection;
- Surge Protection: General 4KV, Differential 2KV, ESD 8KV air, 6KV contact

Application Environment

- Metropolitan area fiber broadband network: telecommunications, cable TV, network system integration, etc., network operators.
- Broadband private network: Suitable for financial, government, oil, railway, electric power, public security, transportation, education and other industries.
- Multimedia transmission: image, voice, data integrated transmission, suitable for remote teaching, conference TV, videophone and other applications.
- Real-time monitoring: simultaneous transmission of real-time control signals, images, data

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Specification

Model	EV-POE33036PFM-L3
Product mame	10G Uplink 12SFP+24GE L3 Managed POE Switch
Fixed Port	16*10/100/1000Base-TX PoE port（Data/Power） 8*10/100/1000M RJ45(COMBO) 8*100/1000M SFP(COMBO) 4*100/1000/250010000M SFP
PoE Ports	1-4 port supports IEEE802.3af/at/poe++/bt, max 90W/port PoE out 5-24 port supports IEEE802.3af/at, max 30W/port, PoE out
Console port	1*console port
Reset Key	1
PoE Pin	Af/at/bt: 12+　45+；36-　78- Af/at: 12+ 36-
PoE Bridge	max 400W
CPU	MIPS-34Kc 800GHz
DDR	4G DDR3
FLASH	512MBytes
RAM	512MBytes
Bandwidth	256Gbps
Packet Forwarding	95.23Mpps
MAC	16K
Buffer	12Mbit SRAM Packet Buffer
Jumbo Frame	Jumbo frame up to 12KB
VLAN Address	4K
Link Aggregation	Supports 128 trunk groups with up to 8 members per group
L3 Routing	IPV4 supports 6K; IPV6 supports 2K；
QoS Queue	8
Transmission Distance	10BASE-T ： Cat3,4,5 UTP(≤250 meter) 100BASE-TX ： Cat5 or later UTP(150 meter) 1000BASE-TX ： Cat6 or later UTP(150 meter) SFP: 100M/1G/10G single-mode multi-mode optical module, the maximum distance is ≤120km (depending on the optical module)
LED Indicator	PWR :Power LED SYS: System LED 1-24:10/100、 1000M Network connection indicator 25-28:10G SFP connection indicator
Power	Built-in power AC：100-240Vac 50-60Hz 5A　　max 415W
Operating Temperature/Humidity	-10～+55°C；5%～90% RH Non coagulation
Storage Temperature/Humidity	-40～+75°C；5%～95% RH Non coagulation
Product /Packing size（L*W*H）	440mm*290mm*45mm 515mm*375mm*95mm
N.W/G.W（kg）	3.6kg/4.4kg
Lightning	6KV 8/20us；

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Protection level	IP30
Installation	Rack-mount (optional machine hanger spare parts)
Certificate	CE-EMC EN55032；CE-LVD EN62368； FCC Part 15 Class B；RoHS；
Warranty	Whole device for 1 year (Accessories not included)

Software function

Basic function	Support hardware watchdog, factory reset, system and port LED
	Support global information, statistical information, log information
	Support User management, alarm management, configuration management
	Support Port rate, duplex, flow control, maximum frame length configuration
	Support Port mirroring, port speed limit, port energy saving
VLAN	Support 4K VLAN
	Support 802.1Q VLAN，baesd on port VLAN
	Support Access、Trunk、Hybrid VLAN mode
	Support GVRP (VLAN registration protocol)
	Support MAC VLAN 、IP VLAN
	Support Voice VLAN
MAC	Support MAC address automatic learning and aging
	Support Static, dynamic, filtered address table
Security features	Password protection
	Support Restrict user access based on port number, IP address, MAC address
	Support HTTPS、SSH V1/V2
	Support VLAN-IP-MAC-PORT binding
	Support ARP detection, IP source protection, DoS protection
	Support DHCP Snooping、DHCP Attack protection
	Support 802.1X Certification
	Support AAA (Authentication, Authorization, Accounting), Support RADIUS protocol
	Support Port security, port isolation
Access control	Support L2(Layer 2)～L4(Layer 4) Packet filtering function
	Support Port mirroring, flow rate limiting, QoS remarking
QOS	Support 8 port queues

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	Support Port priority, 802.1P priority, DSCP priority
	Support SP, WRR Priority scheduling algorithm
Spanning tree	Support STP(IEEE 802.1d), RSTP(IEEE 802.1w) and MSTP(IEEE 802.1s) protocol
	Support Multi-instance, Support Aggregate interface
	Support BPDU protection
Multicast	Support IGMP v1/v2/v3 Snooping
	Support MLD v1/v2 Snooping
	Support Layer 2 multicast fast leave mechanism, querier
	Support Layer 2 IPv4 static multicast
	Support Layer 2 IPv6 static multicast
	Support IGMP v1/v2/v3 Layer 3 multicast
Storm suppression	Support multicast suppression
	Support broadcast storm suppression
	Support unknown unicast suppression
Ring protection	Support Ring protection
Link Aggregation	Support Static Aggregation
	Support LACP Dynamic Aggregation
	Support based on IP, MAC, mixed load-balancing modes
	Maximum support 8 aggregation groups (8 ports per aggregation group)
IPv6	Support IPv6 Ping、IPv6 Traceroute、IPv6 Telnet
	Support IPv6 SSH
	Support IPv6 HTTP 、IPv6 HTTPS
Management and Maintenance	Support WEB Management (HTTP、HTTPS)
	Support CLI (Telnet, SSH V1/V2, Local serial port)
	Support SNMP V1/V2/V3
	Support RMON V2
	Support LLDP Device discovery
	Support SNTP Time synchronization
	Support CPU Monitoring, Memory Monitoring
	Support System log, classification warning

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	Support Ping, Traceroute detection, cable detection
	Support WEB Management (HTTP、HTTPS)

Packing List

Packing List	36 Ports Gigabit Managed Ethernet PoE Switch (EV-POE33036PFM-L3)
	Power cable
	User Manual
	Warranty Card

Ordering Information

EV-POE33036PFM-L3	36 Ports Gigabit Managed PoE Switch