

## 36-Port Gigabit Managed PoE Switch

**EV-POE33036PFM-L2**

## 36 Ports Gigabit Managed PoE Switch

**Product Description**

36-port Switch Support 32 \* 10/100/1000 PoE ports, 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**

- 32 \* 10/100/1000 PoE ports, 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 ;
- L2 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-L2                                                                                                                                                                                                                                          |
| Product name                   | 36 Ports Gigabit Managed PoE Switch                                                                                                                                                                                                                        |
| Fixed Port                     | 32*10/100/1000Base-TX PoE port (Data/Power)<br>4*100/1000/250010000M SFP                                                                                                                                                                                   |
| PoE Ports                      | 1-4 port supports IEEE802.3af/at/poe++/bt, max 90W/port PoE out<br>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-<br>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                                                                                                                                                                                                   |
| L2 Routing                     | IPV4 supports 6K; IPV6 supports 2K;                                                                                                                                                                                                                        |
| QoS Queue                      | 8                                                                                                                                                                                                                                                          |
| Transmission Distance          | 10BASE-T : Cat3,4,5 UTP(≤250 meter)<br>100BASE-TX : Cat5 or later UTP(150 meter)<br>1000BASE-TX : Cat6 or later UTP(150 meter)<br>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<br>SYS: System LED<br>1-24:10/100、1000M Network connection indicator<br>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<br>515mm*375mm*95mm                                                                                                                                                                                                                       |
| N.W/G.W (kg)                   | 3.6kg/4.4kg                                                                                                                                                                                                                                                |
| Lightning                      | 6KV 8/20us;                                                                                                                                                                                                                                                |

**36-Port Gigabit Managed PoE Switch**

|                  |                                                               |
|------------------|---------------------------------------------------------------|
| Protection level | IP30                                                          |
| Installation     | Rack-mount (optional machine hanger spare parts)              |
| Certificate      | CE-EMC EN55032; CE-LVD EN62368;<br>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, based 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                                                            |



**36-Port Gigabit Managed PoE Switch**

|                            |                                                                            |
|----------------------------|----------------------------------------------------------------------------|
|                            | 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                                 |

**36-Port Gigabit Managed PoE Switch**

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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<br>(EV-POE33036PFM-L2) |
|              | Power cable                                                         |
|              | User Manual                                                         |
|              | Warranty Card                                                       |

**Ordering Information**

|                          |                                     |
|--------------------------|-------------------------------------|
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