![AE CONNECT logo - DESIGNED FOR NETWORKING]

AEIN-PSG484GF-M

48-Port 10/100/1000Mbps
Managed PoE Switch with 4 1000M SFP Uplink

Ports: Provide 48*10/100/1000Mbps PoE ports and 4* 1000Mbps SFP Uplink,1Console port

PoE Standard: IEEE802.3af/at Power over Ethernet (PoE) Compliant Total **Power:** Total power budget of 600W and 30W for all singe PoE ports **Self-Adaption:** RJ45 port supports 10/100/1000Mbps Auto MDI/MDIX

Managed: Support remote web managed, VLAN and storm control and IPV6 management etc.

Wide Application: Designed for Wifi AP and IP Security camera, VoIP etc

Surge protection: Protect the device from lighting surges and others electrical hazards

**Considerate Design:** Rack mount installation with fanless design

Versatile PoE Port

Featuring 48* 10/100/1000Mbps PoE ports which support IEEE802.3af/at standard and 4 Gigabit SFP ports. AE CONNECT PoE switch provides Maximun power budget of 400W and 30W for single PoE ports sepectively, allowing users to have several different Networking products configured


Cost-effective IPv6 Managed Gigabit
PoE Switch Solution

With layer 2+ managed Gigabit PoE Switch, It provides IPv6/IPv4 management and built-in L2/L4 Gigabit Switching engine, and supports high-speed transmission of surveillance images and videos.
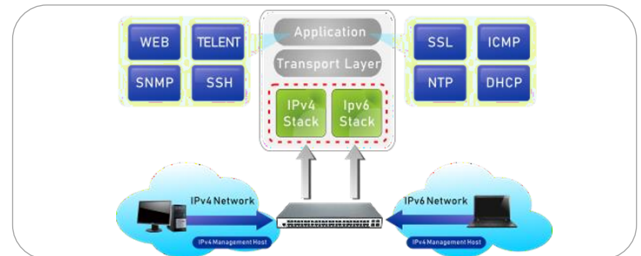
Surge Protection Design

Reaching 6KV surge protection, the PoE ports owns the capacity to keep the PoE Switch from lightning strikes and other electrical surges, offering more reliable performance even in some harsh environments.
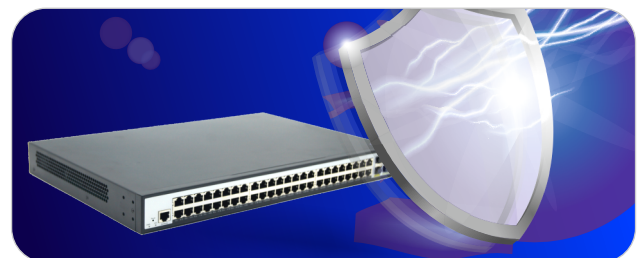
Flexibility and Extension Solution

The additional Four mini-GBIC SFP slots built in the switch support dual speed, 1000BASE-SX/LX SFP fiber-optic modules, the SFP uplink port is ideal for connecting the switch to the network's backbone, providing more than enough bandwidth and stability for ultra high speed data transferring, Beside the SFP can transmitte the Data with Max 100Km distance.

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TECHNICAL DATASHEET

Model	AEIN-PSG484GF-M
Hardware Specifications	
Connector	48*10/100/1000BASE-T RJ45 auto MDI/MDIX ports 4*1000 Base-X SFP Slots 1 Console port
Ports	48 10/100/1000Mbps POE PSE port
SFP	Singe fiber/Dual fiber supported. Distance vary the module
Console port	1 x RS232-to-RJ45 serial port
LED indicators	Power Indicator: PWR(green). Network Indicator: Link(yellow) PoE Working Indicator: PoE(green)
Switch Architecture	Store and Forward
Transmission model	IEEE802.3X full-duplex and Backpressure half-duplex
Switch Performance	Backplane bandwidth 256Gbps Packet forwarding rate 132Mpps MAC address 16k
Power requirement	AC100-240V 50/60Hz
ESD Protection	Contact Discharge 4KV DC； Air Discharge 8KV DC ESD:6KV
Dimension(W×D×H)	440mm x 290mm x 44.5mm(17.32in x 11.42in x 1.75in)
Weight	5.5kg

POWER OVER ETHERNET (POE) SPECIFICATIONS

Network standard	IEEE802.3i 10 BASE-T IEEE802.3u 100 BASE-TX IEEE802.3x Flow Control IEEE802.3af Power over Ethernet IEEE802.3at Power over Ethernet IEEE802.3az EEE
PoE Standard	IEEE 802.3af Power over Ethernet/PSE IEEE 802.3at Power over Ethernet Plus/PSE
PoE Supply Type	1/2(+), 3/6(-) End-span
PoE Power Output	Per Port 52V DC, 300mA. max. 15.4 watts (IEEE 802.3af) Per Port 52V DC, 600mA. max. 30 watts (IEEE 802.3at)
PoE Power budget	400W

LAYER 2 FUNCTIONS

Port Mirroring	TX / RX / both Many-to-1 monitor

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DATASHEET

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Vlan	802.1Q tagged-based VLAN Up to 256 VLAN groups, out of 4094 VLAN IDs 802.1ad Q-in-Q tunneling Voice VLAN;Protocol VLAN;Private VLAN (Protected port),GVRP
Link Aggregation	IEEE 802.3ad LACP and static trunk Supports 8 groups of 8-port trunk
Spanning Tree Protocol	STP, IEEE 802.1D Spanning Tree Protocol RSTP, IEEE 802.1w Rapid Spanning Tree Protocol MSTP, IEEE 802.1s Multiple Spanning Tree Protocol
IGMP Snooping	IGMP (v2/v3) snooping IGMP querier Up to 256 multicast groups
MLD Snooping	MLD (v1/v2) snooping, up to 256 multicast groups
Access Control List	IPv4/IPv6 IP-based ACL / MAC-based ACL
PoE Management	Open or close port Standard POE scheduling management Power and current display Automatic restarting function of equipment dead machine Timing Support IP bindings restarting
QoS	8 mapping ID to 8 level priority queues --- Port number --- 802.1p priority --- 802.1Q VLAN tag --- DSCP field in IP packet Traffic classification based, strict priority and WRR
Security	IEEE 802.1X port-based authentication Built-in RADIUS client to co-operate with RADIUS server RADIUS / TACACS+ user access authentication IP-MAC port binding MAC filtering Static MAC address DHCP Snooping and DHCP Option82 STP BPDU guard, BPDU filtering and BPDU forwarding DoS attack prevention ARP inspection IP source guard

MANAGEMENT FUNCTION

|	
Basic Management Interfaces	Web browser / Telnet / SNMP v1, v2c, V3 Firmware upgrade by HTTP / TFTP protocol through Ethernet network Remote / Local Syslog,System log,LLDP protocol ,SNTP
Secure Management Interfaces	SSH, SSL, SNMP

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SNMP MIBs	RFC 1213 MIB-II RFC 1215 Generic Traps RFC 1493 Bridge MIB RFC 2674 Bridge MIB Extensions RFC 2737 Entity MIB (Version 2) RFC 2819 RMON (1, 2, 3, 9) RFC 2863 Interface Group MIB RFC 3635 Ethernet-like MIB

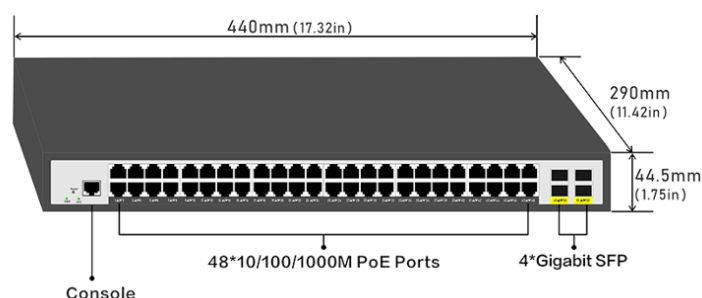## ENVIRONMENT

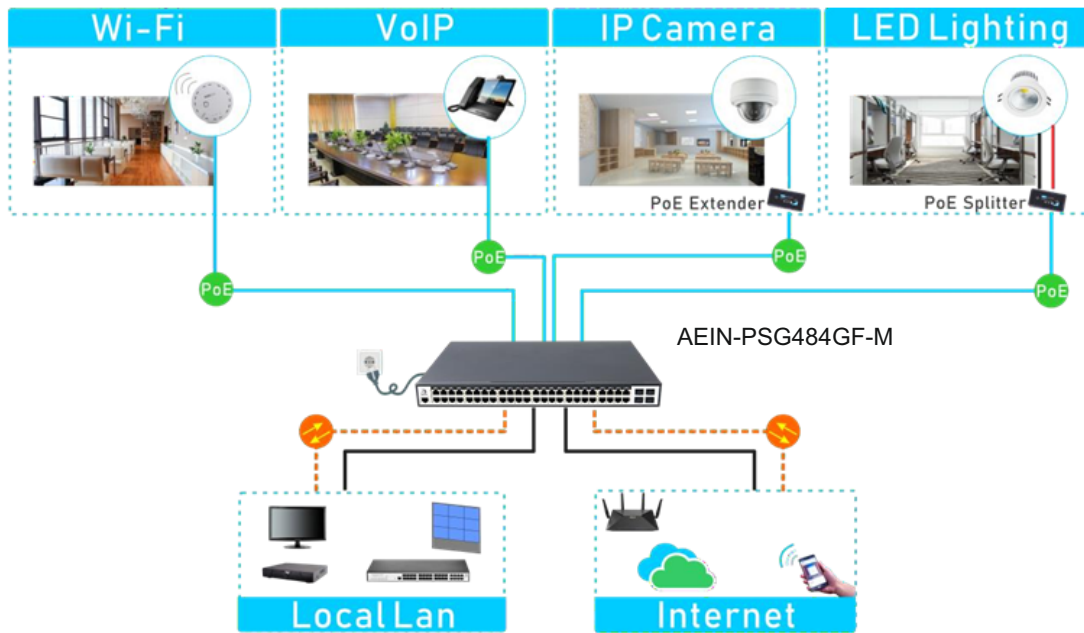|	
Safety	FCC Part15 Class A,CE.RoHs
Environment specification	Operating temperature: -20℃~55℃, operating humidity: 5%~95% Storage temperature: -40℃~75℃, storage humidity: 5%~95%

INTERFACES
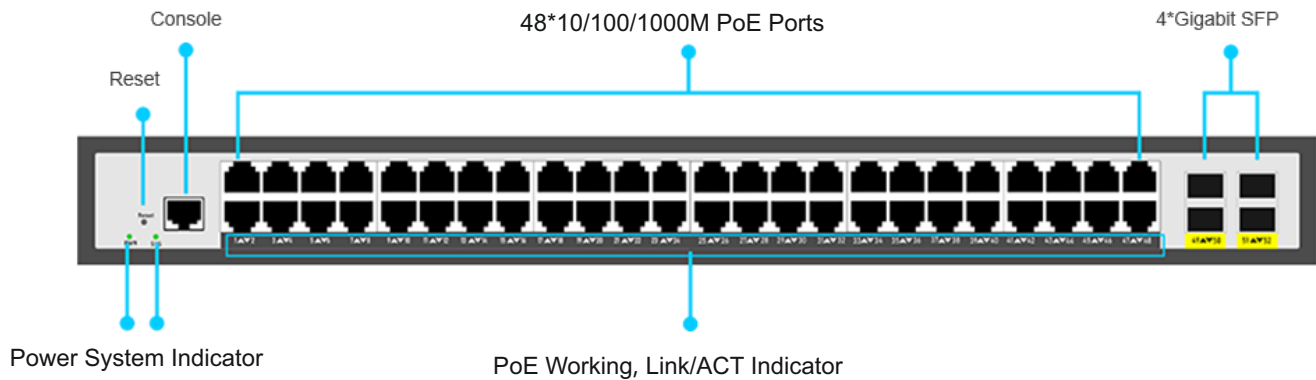
STRUCTURE DIAGRAMS

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APPLICATIONS

ORDERING INFORMATION

AEIN-PSG484GF-M	48 Ports 10/100/1000Mbps managed PoE switch with 4 Gigabit SFP Uplink and 1 Console port,6KV surge protection,IEEE802.3af/at