AE CONNECT®
DESIGNED FOR NETWORKING

AE-PS8082SFT-M

8-PORT 10/100/1000MBPS MANAGED POE SWITCH WITH 2 GIGABIT SFP UPLINK

Provide 8x10/100/1000Mbps PoE ports and

2x100/1000Mbps SFP Uplink,1 Console port
IEEE802.3af/at Power over Ethernet (PoE) Compliant
Total power budget of 120W and 30W for all singe

PoE ports
RJ45 port supports 10/100/1000Mbps Auto

MDI/MDIX
Support remote web managed, VLAN and storm

control and IPV6 management etc.
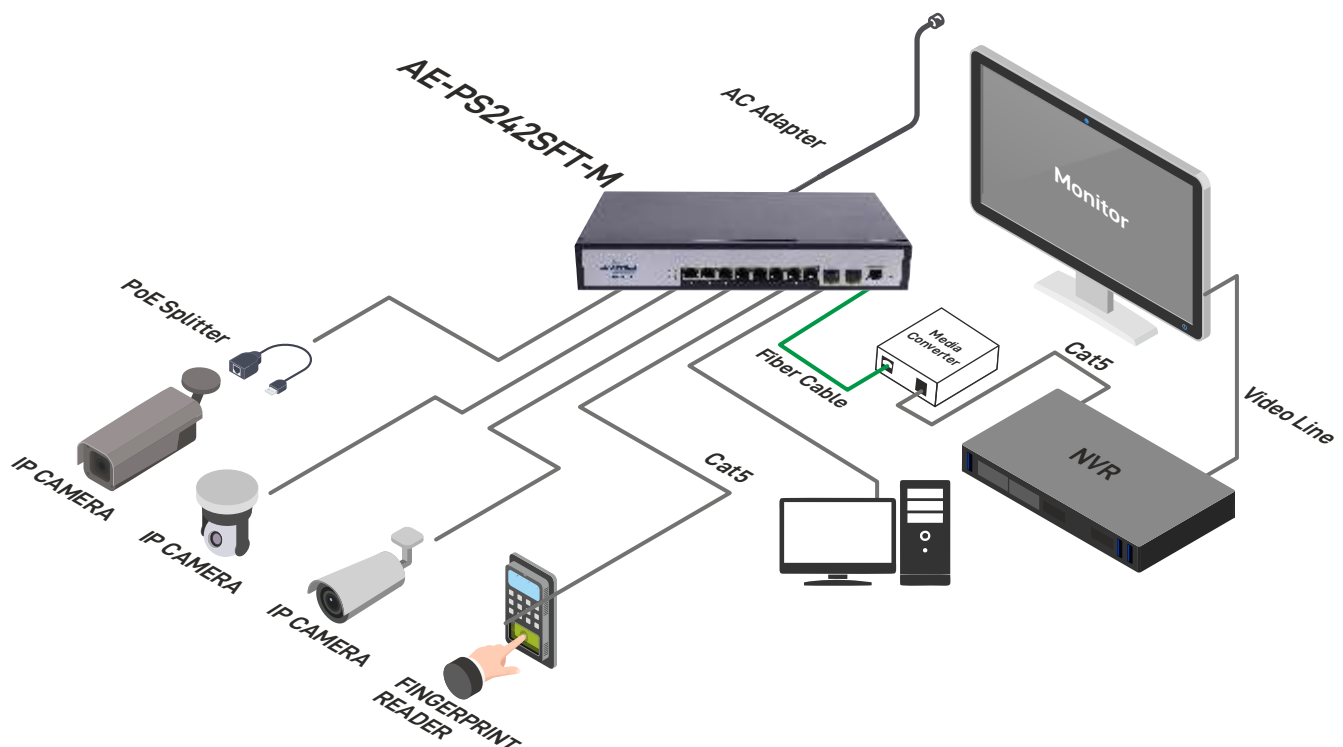Plug and play, No configuration required

PRODUCT PROFILE

Featuring 8x10/100/1000Mbps PoE ports which support IEEE802.3af/at standard and 2x100/1000Mbps SFP Uplink. the PoE switch provides Maximun power budget of 120W and 30W for single PoE ports sepectively,allowing users to have several different Networking products configured. The PoE switch provides

Maximun power budget of 120W and 30W for single PoE ports sepectively, allowing users to have several different Networking products configured. 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.

With 2 SFP module slot available, 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 date with Max 100Km distance with more economic solution.

APPLICATION DIAGRAM

AE-PS8082SFT-M

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TECHNICAL SPECIFICATION

Model	AE-PS8082SFT-M
Hardware Specifications	
Connector	8 10/100/1000BASE-T RJ45 auto MDI/MDIX ports 2 1000 Base-X SFP Slots 1 Console port
PoE Port	8 10/100/1000Mbps POE PSE port
LED Display	Power Indicator: PWR(green). Network Indicator: Link(yellow) PoE Working Indicator: PoE(green)
Thermal Fan	Fanless Design
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 | 32Gbps Packet forwarding rate | 14.88Mpps MAC address | 8k
Power requirement	AC100-240V 50/60Hz ESD Protection 6KV ESD
Dimension(W×D×H)	310mm x 180mm x 44.5mm(10.62in x 7.09in x 1.75in)
Power over Ethernet (PoE) Specifications	
Network standard	IEEE802.3i 10 BASE-T IEEE802.3u 100 BASE-TX
	IEEE802.3ab 1000BASE-T
	IEEE802.3x Flow Control
	IEEE802.3af Power over Ethernet
	IEEE802.3at Power over Ethernet
	IEEE802.3az EEE

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TECHNICAL SPECIFICATION

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	120W
Layer 2 Functions	
Port Mirroring	TX / RX / both Many-to-1 monitor Vlan
VLAN	802.1Q tagged-based
	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

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TECHNICAL SPECIFICATION

	- 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
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)

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TECHNICAL SPECIFICATION

	RFC 2863 Interface Group MIB
	RFC 3635 Ethernet-like MIB
Environment	
Safety	FCC Part15 Class A,CE.RoHs
Environment specification	Operating temperature: -10℃~45℃, operating humidity: 10%~90%
	Storage temperature: -20℃~70℃, storage humidity: 5%~95%

ORDERING INFORMATION

AE-PS8082SFT-M	8 Ports 10/100/1000Mbps managed PoE switch with 2 Gigabit SFP
	Uplink and 1 Console port,6KV surge protection,IEEE802.3af/at