

AE-PS242SFT-M

24 PORTS 10/100/1000M MANAGED POE SWITCH WITH 4 GIGABIT COMBO UPLINK



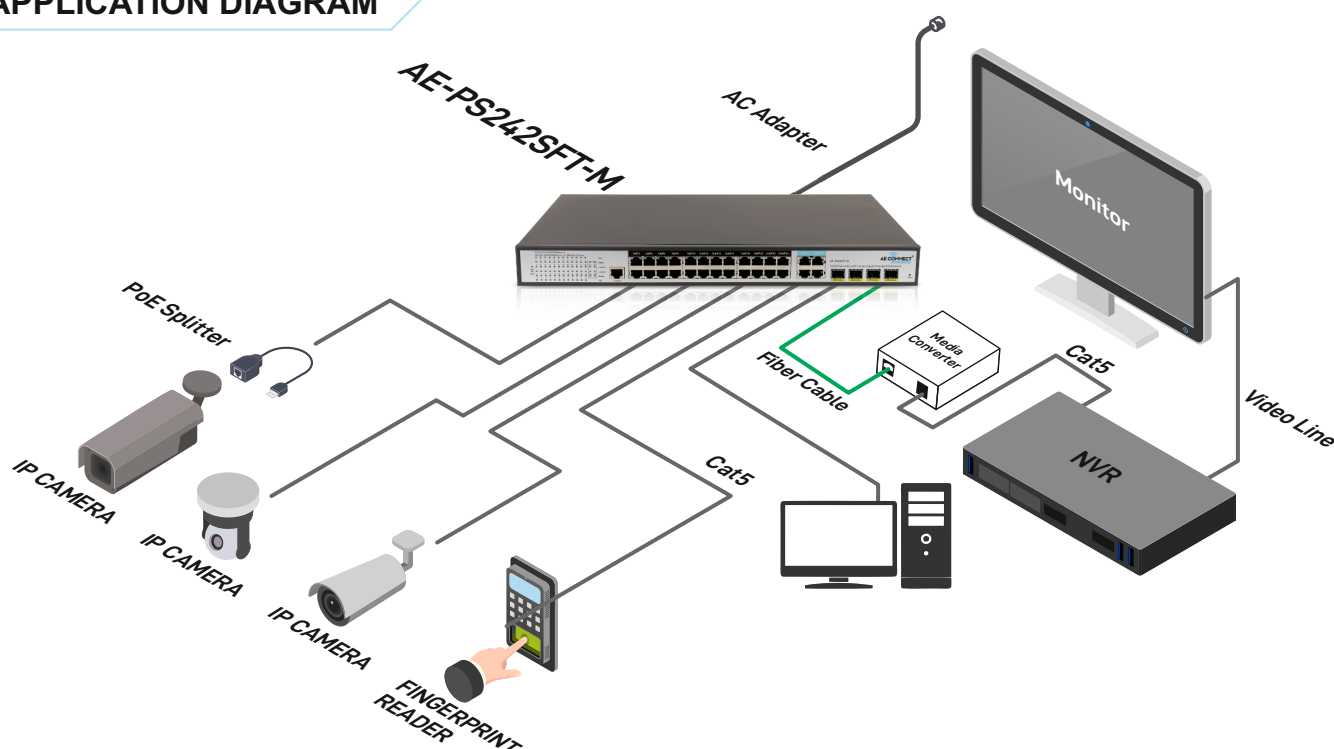
- Provide 24 x 10/100/1000Mbps PoE ports and 4 x 1000Mbps Combo Uplink, 1 Console port
- IEEE802.3af/at Power over Ethernet (PoE) Compliant
- Total power budget of 400W and 30W for all single PoE ports
- RJ45 port supports 10/100/1000Mbps Auto MDI/MDIX
- Support remote web managed, VLAN and storm control and IPV6 management etc.
- Designed for Wifi AP and IP Security camera, VoIP etc
- Protect the device from lighting surges and others electrical hazards
- Plug and play, No configuration required

PRODUCT PROFILE

This 24 ports WEB Smart gigabit PoE Switches fill the gap between unmanaged and fully managed switches. It is designed for growing businesses that want control over their network without the cost and complexity of a full Layer 2 management implementation.

This PoE-capable Switch, provides power and data using built-in 48V PoE on all 24 ports. In addition, AE-PS242SFT-M offers an intuitive Web based management tool for quick and easy deployment and configuration making it ideal for deploying access points, VoIP phones and IP-based surveillance camera.

APPLICATION DIAGRAM



AE-PS242SFT-M

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TECHNICAL SPECIFICATION

Hardware Specifications	
Copper Ports	28 x 10/100/1000BASE-T RJ45 Auto-MDI/MDI-X port
SFP/mini-GBIC Slots	4 x 100/1000BASE-X SFP interface shared with port-25 to port-28
	Supports 100/1000Mbps dual mode and DDM
PoE Injector Port	24 ports with 802.3at / af PoE injector function with port-1 to port-24
Console	1 x RS232-to-RJ45 serial port (115200, 8, N, 1)
Switch Architecture	Store-and-Forward
Switch Fabric	64Gbps / non-blocking
Switch Throughput	
@64Bytes	47.61Mpps
Address Table	16K Entries
Shared Data Buffer	4.1 megabits
Flow Control	IEEE 802.3x pause frame for full-duplex
	Back pressure for half-duplex
Jumbo Frame	10K bytes
Reset Button	< 5 sec: System reboot
	> 5 sec: Factory default
LED	PWR, SYS, LNK/ACT, PoE-in-Use
Power Requirements	100~240V AC, 50/60Hz, auto-sensing
Dimensions (W x D x H)	440 x 300 x 44.5 mm, 1U height
ESD Protection	Contact Discharge 4KV DC
	Air Discharge 8KV DC
Enclosure	Metal
Power over Ethernet	
PoE Standard	IEEE 802.3af / 802.3at PoE+ PSE
PoE Power Supply Type	End-span
PoE Power Output	Per port 52V DC, 30.8 watts (max.)
Power Pin Assignment	1/2(+), 3/6(-)

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TECHNICAL SPECIFICATION

PoE Power Budget	400W
Layer 2 Functions	
Port Mirroring	TX / RX / both
	Many-to-1 monitor
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 reactivation
	Support IP bindings restarting
QoS	8 mapping ID to 8 level priority queues
	- Port number
	- 802.1p priority

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TECHNICAL SPECIFICATION

	- 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 Functions	
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

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TECHNICAL SPECIFICATION

	RFC 2737 Entity MIB (Version 2)
	RFC 2819 RMON (1, 2, 3, 9)
	RFC 2863 Interface Group MIB
	RFC 3635 Ethernet-like MIB
Standards Conformance	
Regulation Compliance	FCC Part 15 Class A, CE
Standards Compliance	IEEE 802.3 10BASE-T
	IEEE 802.3u 100BASE-TX/100BASE-FX
	IEEE 802.3z Gigabit SX/LX
	IEEE 802.3ab Gigabit 1000T
	IEEE 802.3x flow control and back pressure
	IEEE 802.3ad port trunk with LACP
	IEEE 802.1D Spanning Tree protocol
	IEEE 802.1w Rapid Spanning Tree protocol
	IEEE 802.1s Multiple Spanning Tree protocol
	IEEE 802.1p Class of Service
	IEEE 802.1Q VLAN tagging
	IEEE 802.1x Port Authentication Network Control
	IEEE 802.1ab LLDP
	IEEE 802.3af Power over Ethernet
	IEEE 802.3at Power over Ethernet Plus
	RFC 768 UDP
	RFC 793 TFTP
	RFC 791 IP
	RFC 792 ICMP
	RFC 2068 HTTP
	RFC 1112 IGMP version 1
	RFC 2236 IGMP version 2

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TECHNICAL SPECIFICATION

	RFC 3376 IGMP version 3
	RFC 2710 MLD version 1
	RFC 3810 MLD version 2
Environment	
Operating	Temperature: -20 ~ 55 degrees C
	Relative Humidity: 5 ~ 95% (non-condensing)
Storage	Temperature: -40 ~ 75 degrees C
	Relative Humidity: 5 ~ 95% (non-condensing)

ORDERING INFORMATION:

AEP242SFT-M	1000M Uplink Managed POE Switch, 24 gigabit(PoE) ports +4 gigabit Combo Uplink,
	IEEE802.3af/at, rated power 400W