

## 16-Port PoE switch with 2 Gigabit SFP Ports 16x 100/1000M ports+2x gigabit optical port PoE switch



(ASIT-33016PM)

Layer 2

To fulfill the demand of sufficient PoE power for network applications with 100/1000Mbps wire speed transmission, a new member in the IEEE802.3af/at PoE Fast Ethernet Switch family  
*ASIT-33016PM* the 16-Port 100/1000Mbps IEEE802.3af/at Power over Ethernet Switch with 300 Watts PoE budget. The 16 Fast Ethernet ports integrated with IEEE802.3af/at PoE injector function are able to drive at least 16 x IEEE 802.3af/at 15.4/30 Watts Class 3 compliant powered devices.  
The *ASIT-33016PM* also provides a simple, cost-effective, and non-blocking wire-speed performance with 19-inch metal shape for deployment in compact housing, SOHO office or department network application.

### Product Features

- ◆ IEEE 802.3af/at power on up to 16 ports
- ◆ Supply power to wireless access points and surveillance cameras over Cat-5 cabling
- ◆ 16x 100/1000 Mbps Ports with AutoUplink™
- ◆ Supports PoE power up to 15.4/30W for each PoE port
- ◆ PoE power up to 300W for all PoE ports
- ◆ Supports PoE IEEE 802.3af/at compliant PDs
- ◆ Supports IEEE 802.3x flow control for Full-duplex Mode and backpressure for Half-duplex Mode
- ◆ 8K entry MAC address table of the PoE Switch *ASIT-33016PM* with auto-learning and auto-aging
- ◆ LED indicators for monitoring power, link, activity and speed

### Target Industries

- ◆ HD monitor transmission and power supply
- ◆ Wireless AP layout transmission and power supply
- ◆ Network telephone transmission , intelligent house and home system
- ◆ Intelligent transportation supervisory system (ITS)
- ◆ High-speed Way supervisory/Tele-Communication System
- ◆ Security protection system, TV medical treatment
- ◆ Long-distance Multi-media Schooling, Campus monitoring
- ◆ Long-distance broadcast television transmission system
- ◆ High-building Security Protection, Military Tele-Com projects

### Order Information:

**Product Model : ASIT-33016PM**

**Type :** 16-PORT 100/1000 SWITCH WITH 16-PORT POE and 2 gigabit combo ports, IEEE 802.3af/at, PoE Power

**Output :** 15.4/30Watts,PoE Budget: 300Watts

**Power Pin Assignment :** Data provided over pairs over 1/2 and 3/6 ,Power over spare pairs 4/5(+) and 7/8 (-)

### Technical parameter list

Product Name	16-Port PoE switch with 2 Gigabit SFP Ports
Model	<b>ASIT-33016PM</b>
Connector Type	16x 100/1000M copper cable RJ45 ports(all ports support MDI/MDIX) + 2x 10/100/1000M SFP ports
Network Media	10BASE-T: Cat3,4,5 UTP(≤100 meter) 100BASE-TX: Cat5 or later UTP(≤100 meter)
Switching Capacity	52Gbps (non-blocking)
MTBF	190,000 hours (about 21 years)
Forwarding Mode	Store-And-Forward
Network Protocols	IEEE 802.3i 10BASET IEEE 802.3u 100BASETX IEEE 802.3x Flow Control IEEE 802.1af DTE Power via MDI IEEE 802.3af/at
LED Display	System: power supply Every Port: connecting, Ethernet working status
Power Supply	AC100-240V 50/60Hz input
PoE Ports	16 ports support PoE
PoE Port Power	15.4/30W per port, 350W for total
PoE Standard	IEEE 802.3af/at
Working Environment	Operating Temperature: 0 ° ~ 55 ° C Storage Temperature: -20 ° ~ 75 ° C Humidity: 10% ~ 90%, non-condensing Storage Humidity: 10% ~ 95%, non-condensing Working Altitude: 3000 m (10,000 ft) Storage Altitude: 3,000 m (10,000 ft)
Certification	CE, FCC, Rohs
Transmission Distance	Single mode(9/125um) optical transmission, transmission distance: 25km(double optical default, single optical alternative)
Product Size	440x275x44.5mm

16 x 100/1000M ports+2x gigabit optical port PoE switch,

Items	ASIT-33016PM
	IEEE 802.3ad, Link Aggregation
	IEEE 802.3,10BASE-T
	IEEE 802.3u,100 BASE-TX
	IEEE 802.3ab,1000 BASE-T
	IEEE 802.3z,1000 BASE-X
	IEEE 802.3x, Ethernet flow control
	IEEE 802.3az,EEE (Energy Efficient Ethernet)
	IEEE 802.1AB-2005,LLDP (Link Layer Discovery Protocol)
	IEEE 802.1d, Spanning Tree Protocol
	IEEE 802.1w, Rapid Spanning Tree Protocol
	IEEE 802.1q, VLAN
	IEEE 802.1p,QoS
	MAC Address
MAC address learning and aging	
VLAN	4K VLANs
	Port-based VLANs
	Voice VLAN
Spanning Tree	STP (Spanning Tree Protocol)
	RSTP (Rapid Spanning Tree Protocol)
Link Aggregation	Max 8 aggregation groups, each supports 8 ports
	Static aggregation and dynamic aggregation
Port Mirroring	Many-to-one port mirroring
Multicast	IGMP v1/v2/v3 snooping and IGMP fast leave
QoS	Rate limiting on packets sent and received by an interface
	Eight queues on each port
	WRR, SP, WRR+SP queue scheduling algorithms
	Re-marking of the 802.1p priority and DSCP priority
	Rate limiting in each queue and traffic shaping on ports
Security	DoS attack defense, ARP attack defense, and ICMP attack defense
	Port isolation
	User privilege management and password protection
Management and maintenance	SNMP v1/v2c
	Remote configuration and maintenance using Telnet
	Web NMS
	System logs and alarms of different levels