Product Datasheet

18-Port Full Gigabit PoE Fiber Switch

POE33016PFB



OVERVIEW

The POE33016PFB series is a full gigabit PoE fiber switch. It has 16*10/100/1000M RJ45 ports and 2*1000M SFP solt ports. Port 1-16 can support IEEE 802.3af/at standard PoE power supply. single port PoE power reaches 30W, and the maximum PoE output power is 250W. As a PoE power supply device, it can automatically detect and recognize the power receiving equipment that meets the standard and supply power through the network cable. It can supply power to POE terminal equipment such as wireless AP, webcam, VoIP, visual intelligent building intercom through network cable, and meet the network environment that needs high-density PoE power supply. It is suitable for hotel, campus, park, attraction, supermarket, factory quarter and small and medium-sized enterprises to form a cost-effective network.

Unmanaged model, plug and play, no configuration, easy to use.

■ Full gigabit access, gigabit SFP port uplink

◇ All series supports "gigabit Ethernet port and gigabit SFP fiber port " combination, which enables users to flexibly build networking to meet the needs of various scenarios.

◇ Support non-blocking wire-speed forwarding.

◇ Support full-duplex based on IEEE802.3x and half-duplex based on Backpressure.

■ Intelligent PoE power supply function

◇ 16*10/100/1000Base-T RJ45 ports, meeting the needs of security monitoring, teleconferencing system, wireless coverage, and other scenarios.

◇ IEEE 802.3af/at PoE standard, without damaging non-PoE devices.

◇ Priority system for PoE port, it will supply power to the high priority level port first when the power budget is insufficient and avoid overwork of the device.

■ Stable and reliable

◇ CCC,CE, FCC, RoHS.

◇ Plug and play, no configuration, simple and convenient.

◇ Low power consumption, no fan mute design, galvanized steel metal casing.

◇ Self-developed power supply, high redundancy design, providing a long term and stable PoE power output.

◇ The user-friendly panel, it can show the device status through the LED indicator of PWR, PoE.

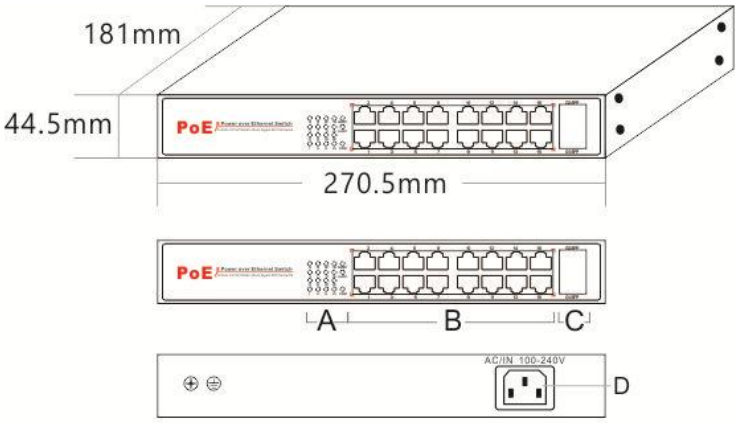
TECHNICAL SPECIFICATION

Model	POE33016PFB	POE33024PFB
Interface Characteristics		
Fixed Port	16*10/100/1000Base-T PoE ports(Data/Power) 2*1000Base-X SFP ports (Data)	24*10/100/1000Base-T PoE ports(Data/Power) 2*1000Base-X SFP ports (Data)
Ethernet Port	Port 1-16 can support 10/100/1000Base-T,auto-sensing, full/half duplex MDI/MDI-X	Port 1-24 can support 10/100/1000Base-T,auto-sensing, full/half duplex MDI/MDI-X
Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP(≤100 meter) 100BASE-TX: Cat5 or later UTP(≤100 meter) 1000BASE-T: Cat5e or later UTP(≤100 meter)	
SFP Slot Port	Gigabit SFP optical fiber interface, default matching optical modules (optional order single-mode / multi-mode, single fiber / dual fiber optical module. LC)	
Optical Cable	Multi mode: 850nm 0 ~ 550M, single mode: 1310nm 0 ~ 40KM, 1550nm 0 ~ 120KM.	
Chip Parameter		
Network Protocol	IEEE802.3 10BASE-T, IEEE802.3i 10Base-T, IEEE802.3u 100Base-TX, IEEE802.3ab 1000Base-T	

	IEEE802.3z 1000Base-X IEEE802.3x	
Forwarding Mode	Store and Forward(Full Wire Speed)	
Switching Capacity	48Gbps (Non-blocking)	52Gbps (Non-blocking)
Forwarding Rate@64byte	26.78Mpps	38.69Mpps
MAC	8K	
Buffer Memory	4M	
Jumbo Frame	10K	
LED Indicator	power : PWR (green); network:1-16(24)/ G1-2 (green); PoE: PoE (green)	
PoE & Power		
PoE Port	Port 1 to 16 IEEE802.3af/at @ POE	Port 1 to 24 IEEE802.3af/at @ POE
PoE Management	PoE working status Delay start of power supply PoE output priority configuration Scheduling of PoE operation and time	
Power Supply Pin	Defaul :1/2 (+)	
Max Power Per Port	30W; IEEE802.3af/at	
Total PWR / Input Voltage	250W (AC100-240V)	

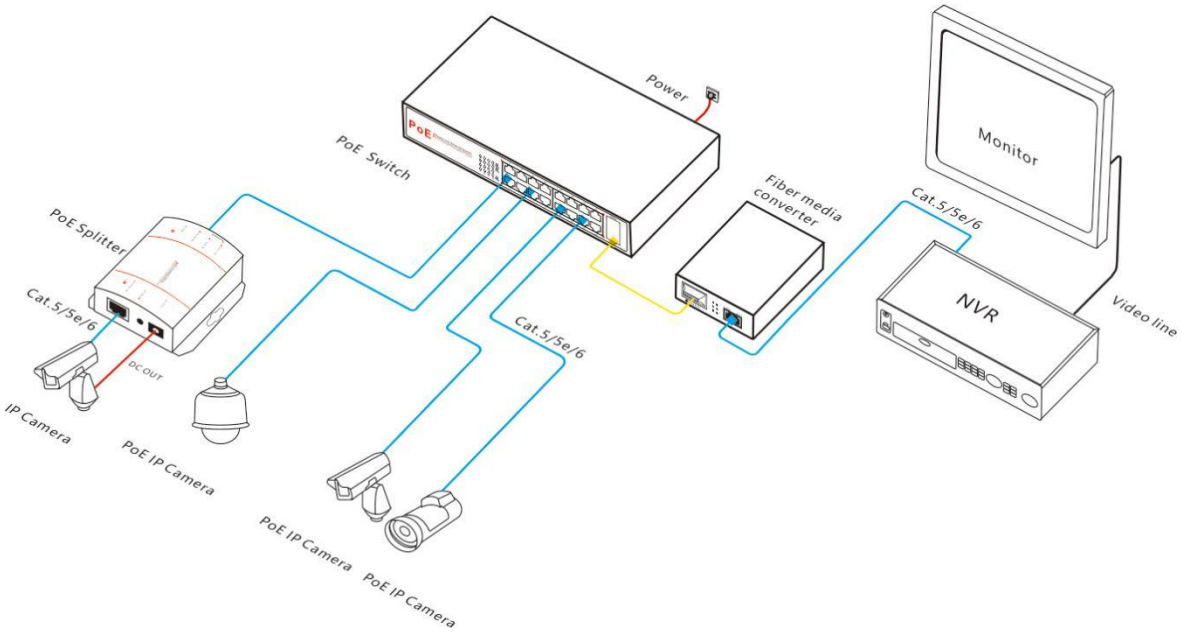
Power Consumption	Standby<18W; full Load<240W	Standby<25W; full Load<250W
Power Supply	Built in power supply, AC100~240V 50-60Hz 4.1A support short circuit, over current, overload protection.	
Physical Parameter		
Operation TEMP / Humidity	-20~+55°C;5%~90% RH Non condensing	
Storage TEMP / Humidity	-40~+75°C;5%~95% RH Non condensing	
Dimension (L*W*H)	270.5*181*44.5mm	330*204*44mm
Net /Gross Weight	<1.7kg /<2.2kg	<2.3kg /<3kg
Installation	Desktop,wall mounted,19 inch 1U cabinet installation	
Certification & Warranty		
Port lightning protection	Port lightning protection : 4KV 8/20us,Protection level: IP30	
Certification	CCC;CE mark, commercial;CE/LVD EN60950; FCC Part 15 Class B;RoHS	
Warranty	3 years, lifetime maintenance.	

DIMENSION



A. Working LED Indicator
B. 16*PoE Ports
C. 2*Gigabit Fiber Ports
D. Power Input Port - AC100-240V,50/60Hz

APPLICATION



ORDERING INFORMATION

Model	Description
POE33016PFB	Unmanaged PoE fiber switch with 16*10/100/1000M RJ45 ports and 2*1000M uplink SFP fiber slot ports, port 1-16 can support IEEE 802.3af/at PoE standard, Built-in 250W power supply. Support 1U/19 inch rack installation.
POE33024PFB	Unmanaged PoE fiber switch with 24*10/100/1000M RJ45 ports and 2*1000M uplink SFP fiber slot ports, port 1-24 can support IEEE 802.3af/at PoE standard, Built-in 250W power supply. Support 1U/19 inch rack installation.

PACKING LIST

	CONTENT	QTY	UNIT
PACKING LIST	18-Port full gigabit PoE fiber switch (POE33016PFB)	1	SET
	AC power cable+Power adapter	1	SET
	Mounting Kits(Hanging Ear)	1	SET
	User Guide	1	PC

	Warranty Card	1	PC

Note: PoE switch does not match SFP module by default.

OPTICAL MODULE INFORMATION

Product	Model	Description	Unit
1.25G Fiber Module	2630	SFP optical module, 1.25G, multi mode dual fiber 850nm, transmission distance: 550m, LC interface, support DDM function, support hot plug and pull.	PC
	2632	SFP optical module, 1.25G, single-mode dual fiber 1310nm, transmission distance: 20km, LC interface, support DDM function, support hot plug and pull.	PC
	2612-T	SFP optical module, 1.25G, single-mode single fiber TX1310nm/RX1550nm, transmission distance: 20km, LC interface, support DDM function, support hot plug and pull.	PC
	2613-R	SFP optical module, 1.25G, single-mode single fiber TX1550nm/RX1310nm, transmission distance: 20km, LC interface, support DDM function, support hot plug and pull.	PC
	2612-T-SC	SFP optical module, 1.25G, single-mode single fiber TX1310nm/RX1550nm, transmission distance: 20km, SC interface, support DDM function, support hot plug and pull.	PC

	2613-R-SC	SFP optical module, 1.25G, single-mode single fiber TX1550nm/RX1310nm, transmission distance: 20km, SC interface, support DDM function, support hot plug and pull.	PC
Power Module	2633	1.25G SFP optical module transfers to 10/100/1000M RJ45 port.	PC