



Product Datasheet

18-Port Full Gigabit PoE Switch

(ARIOONET-16PG2S)



OVERVIEW

The ARIOONET-16PG2S series is an unmanaged PoE switch independently developed by ARIOONET, it has 16*10/100/1000M PoE ports and 2*1000M uplink SFP ports. Port 1-16 can support IEEE 802.3af/at standard PoE power supply, single port PoE power up to 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 phone, video access control intercom, etc. through network cable to meet the network environment that needs high-density PoE power supply. It is suitable for hotels, campuses, factory quarters and small and medium-sized enterprises to form an economy efficient network.

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



FEATURE

■ Full Gigabit port

- ◇ Supports the combination of RJ45 ports and Gigabit SFP ports to facilitate flexible networking and meet the networking requirements 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

- ◇ 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.
- ◇ Low power consumption, galvanized steel casing, The fan active cooling.
- ◇ 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, Link, PoE.



TECHNICAL SPECIFICATION

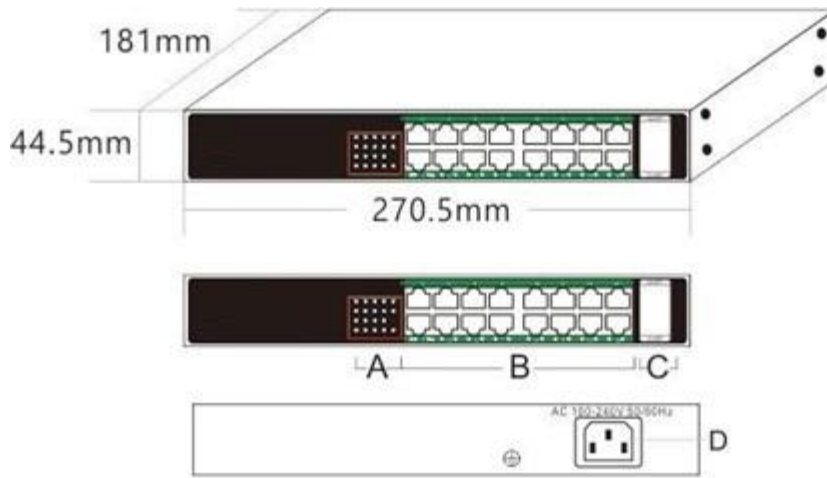
Model	ARIOONET-16PG2S	ARIOONET- POE24GE2S
Interface Characteristics		
Fixed Port	16*10/100/1000Base-T PoE ports (Data/Power)	24*10/100/1000Base-T PoE ports (Data/Power)
	2*1000Base-X uplink SFP ports (Data)	2*1000Base-X uplink SFP ports (Data)
Ethernet Port	Port 1-16 support	Port 1-24 support
	10/100/1000Base-T auto-sensing, full/half duplex MDI/MDI-X self- adaption	10/100/1000Base-T auto-sensing, full/half duplex MDI/MDI-X self- adaption
Twisted Pair	100BASE-TX: Cat5 or later UTP(≤100 meter)	
Transmission	1000BASE-T: Cat5e or later UTP(≤100 meter)	
SFP Slot Port	Gigabit SFP optical fiber interface, default not matching optical modules (optional order single-mode / multi-mode, single fiber / dual fiber optical module. LC)	
Optical Cable/ Distance	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	52Gbps (Non-blocking)	
Forwarding Rate@64byte	26.78Mpps	38.69Mpps
MAC	8K	



Buffer Memory	4M	
Jumbo Frame	10K	
LED Indicator	Power: PWR (green), network: Link (green),PoE: PoE (green), fiber: G1/G2(green), POE :PoE(green)	
PoE & Power		
PoE Port	Port 1 to 16 IEEE802.3af/at @ POE	Port 1 to 24 IEEE802.3af/at @ POE
Power Supply Pin	Defaul 1/2 (+), 3/6 (-)	
Max Power Per Port	30W; IEEE802.3af/at	
Total PWR / Input Voltage	250W /(AC100-240V)	
Power Consumption	Standby<15W,Full Load<240W	Standby<20W, Full Load<250W
Power Supply	Built-in power supply, AC 100~240V 50-60Hz 4.1A	
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*181*44.5mm	330*204*44mm
Net /Gross Weight	<1.7kg / <2.2kg	<3.0kg / <3.5kg
Installation	Desktop, wall mounted,19 inch 1U cabinet	
Certification & Warranty		
Lightning protection / protection level	Lightning protection: 4KV 8/20us; Protection level: IP30	
Certification	CCC,CE mark, commercial; CE/LVD EN60950;FCC Part 15 Class B; RoHS	
Warranty	1 year, lifelong maintenance.	

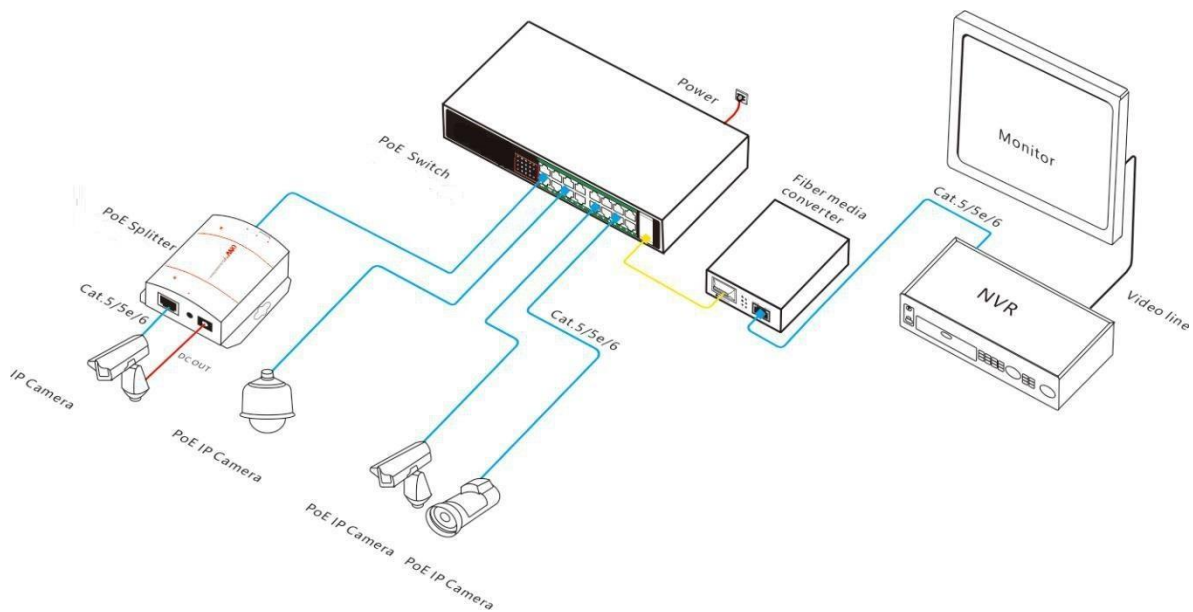


DIMENSION



- A. Working indicator
- B. 16*PoE ports
- C. 2*1000M uplink SFP ports
- D. Power input port AC100-240V,50-60Hz

APPLICATION





PACKING LIST

	CONTENT	QTY	UNIT
PACKING LIST	18-port full gigabit PoE switch	1	SET
	AC Power Cable	1	PC
	Mounting Kits	1	SET
	User Guide	1	PC
	Warranty Card	1	PC

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