![Prestel logo]

Prestel NS1-8C1-250P-2C1-2F1

12-port Full Gigabit PoE Fiber Switch

DATASHEET

Product Datasheet

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OVERVIEW

The NS1-8C1-250P-2C1-2F1 is a full gigabit unmanaged PoE fiber switch independently. It has 10*10/100/1000M RJ45 ports and 2*1000M SFP port slots. Port 1-8 can support IEEE802.3af/ at PoE standard, single port PoE power up to 30W, Total power is 130W(at-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 automatically detect and identify the the electrical equipment that meets the standard and supply power to it through the network cable, devices including wireless AP, IP camera, IP telephone and other PoE terminal equipment etc. In addition, it is suitable for networking system of hotel, campus, dormitory and small&medium enterprise etc.

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

FEATURE

■ **Full Gigabit access, gigabit TP/SFP port uplink**

◇ All series supports "gigabit RJ45 port and Gigabit SFP 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**

◇ 8*10/100/1000Base-T RJ45 ports, meeting the needs of security monitoring, teleconferencing system, wireless coverage, and other scenarios.

◇ IEEE802.3af/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**

◇ 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.

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

◇ CCC,CE, FCC, RoHS.

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

TECHNICAL SPECIFICATION

Interface Characteristics		
Fixed Port	8*10/100/1000Base-T PoE ports (Data /Power) 2*10/100/1000Base-T uplink RJ45 ports (Data) 2*1000Base-X uplink SFP ports (Data)	
Ethernet Port	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/ Distance	Multi-mode: 850nm /0 ~ 500M,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	24Gbps (Non-blocking)	
Forwarding Rate@64byte	17.86Mpps	
MAC	4K	
Buffer Memory	4M	
Jumbo Frame	9.6K	
LED Indicator	Power: PWR (green), network:Link, Link/Act (yellow),PoE: PoE(green)	

	SFP port: L/A (green), speed : 1000M (green)
PoE & Power Supply	
PoE Port	Port 1 to 8 IEEE802.3af/at @ POE
Power Supply Pin	Default 1/2 (+), 3/6 (-)
Max Power Per Port	30W; IEEE802.3af/at
Total PWR / Input Voltage	250W (AC100-240V)
Power Consumption	Standby:<10W, Full Load:<240W
Power Supply	Built-in power supply, AC100~240V 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
Net /Gross Weight	<1.6kg /<2.2kg
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	3 years, lifelong maintenance.

DIMENSION
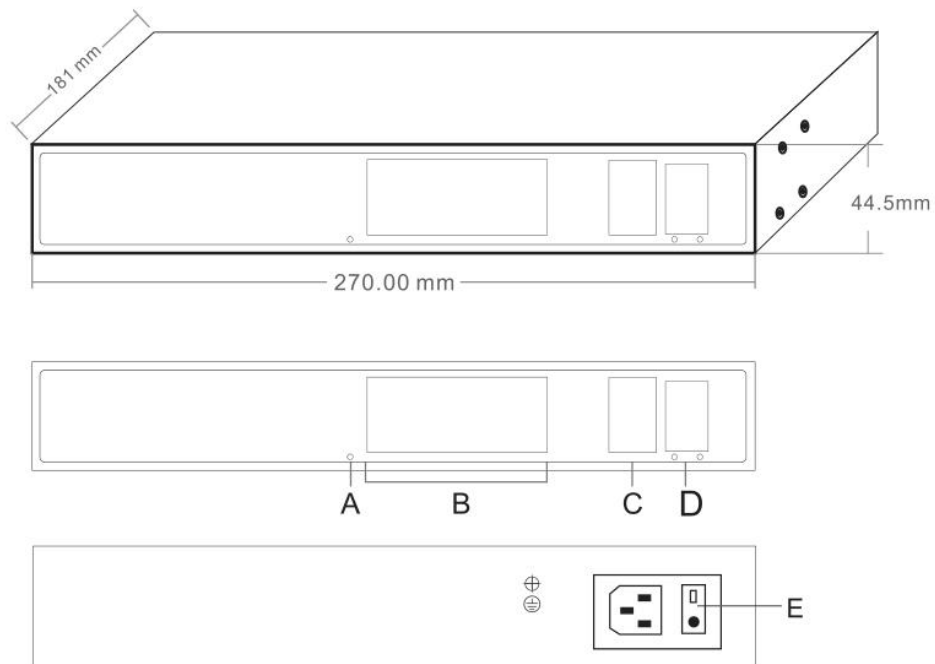
A.Working Indicator
B.8* 10/100/1000M PoE Ports
C.2*10/100/1000M Uplink Ports
D.2*10/100/1000M SFP Ports
E.Power Input Port AC100-240V,50/60Hz

APPLICATION
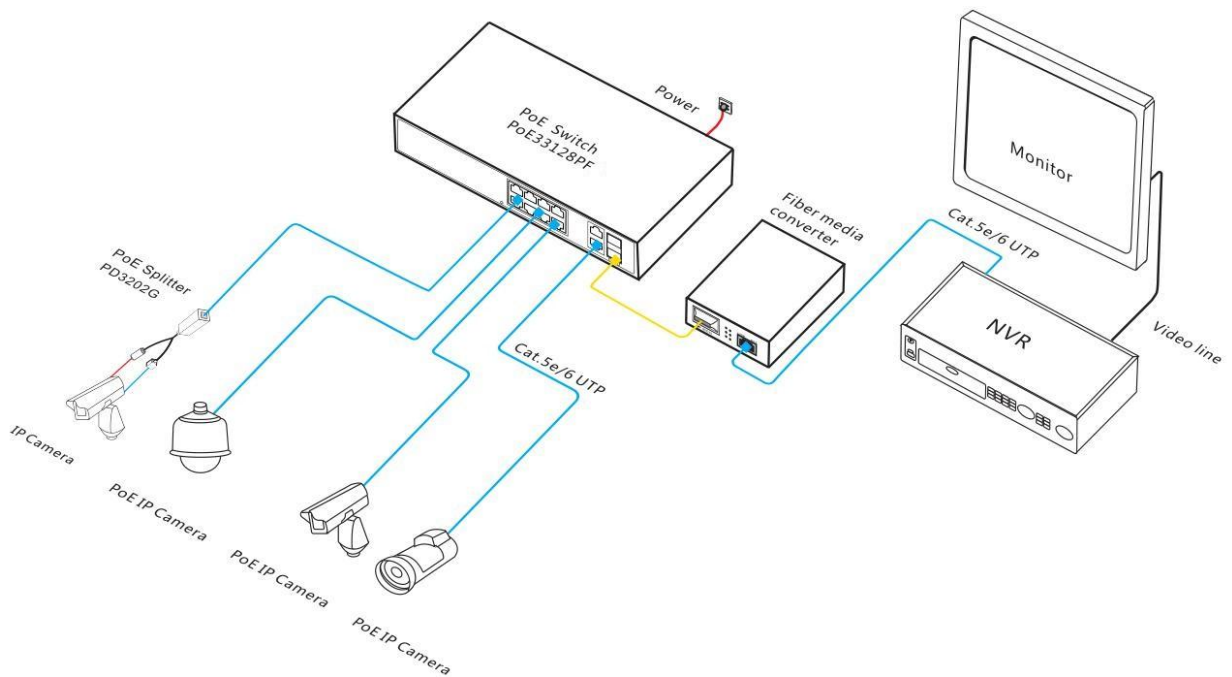
ORDERING INFORMATION

Model	Description	Built-in power supply
NS1-8C1-250P-2C1-2F1	Unmanaged PoE switch with 10*10/100/1000M RJ45 ports and 2*1000M uplink SFP ports, Port 1-8 can support IEEE802.3af/at PoE standard. Support 1U/19 inch rack installation.	250W

Note:The SFP optical module is not included by default and needs to be purchased separately.

PACKING LIST

	CONTENT	QTY	UNIT
PACKING LIST	12-port full gigabit PoE fiber switch	1	SET
	AC Power Cable	1	SET
	Mounting Kits (Hanging Ear)	1	SET
	User Guide	1	PC
	Warranty Card	1	PC