



Product Overview:

Newbridge®ND-PSE0821G unmanaged PSE PoE-powered switch with 8 PoE-powered RJ45 ports, 2 RJ45 uplink ports and an independent SFP expansion slot. All of eight RJ45 ports support IEEE 802.3af/at standard PoE power supply, single port PoE power up to 30W, the maximum PoE output power of the whole machine is 120W. It adopts the latest high-speed Ethernet switching chip and ultra-high backplane bandwidth design, with extremely fast data processing capability to improve smooth data transmission performance. which can automatically detect and identify the powered devices that comply with IEEE 802.3af/at standard and supply power for the priority mechanism through the network cable. It adopts intelligent PSE chip with 4KV lightning protection.

Product Features:

10/100 access with dual power ports for uplink

- ◇ Provides 8 10/100Base-T RJ45 ports, dual uplink ports, which is convenient for users to network flexibly to meet the needs of networking in various scenarios;
- ◇ All ports support non-blocking wire-speed forwarding for smoother transmission.
- ◇ Supports IEEE 802.3x full-duplex flow control and Backpressure half-duplex flow control.

Intelligent PoE power supply function

- ◇ 8 10/100Base-TX RJ45 ports support PoE power supply to meet the needs of PoE power supply in various scenarios in the security field.
- ◇ Complies with IEEE 802.3af/at PoE power supply standard, automatically identifies PoE devices for power supply without damaging non-PoE devices. Maximum PoE output power of the whole unit reaches 120W, and the maximum PoE output power of a single port is 30W.

Easy handling

- ◇ Plug and play, no configuration required, easy to use and maintain.
- ◇ Users can easily know the working status of the device through the power indicator (PWR), port status indicator (Link), and PoE working indicator.

Dialling code function

- ◇ long-distance gear: When it is turned on, the rate of ports 1-8 is reduced to 10M, using the existing twisted pair cable, it can break through the limit of 100 metres of twisted pair cable transmission, and the transmission distance can reach up to 250 metres; on the other hand, it can solve the problem of poor transmission due to the aging of the line.
- ◇ VLAN mode: Enabled with the Long Range Switch, ports 1-8 are isolated from each other but are interoperable with ports 9-10, preventing DHCP conflicts, optimising port cache utilisation and reducing broadcast storms.

Stable and reliable equipment

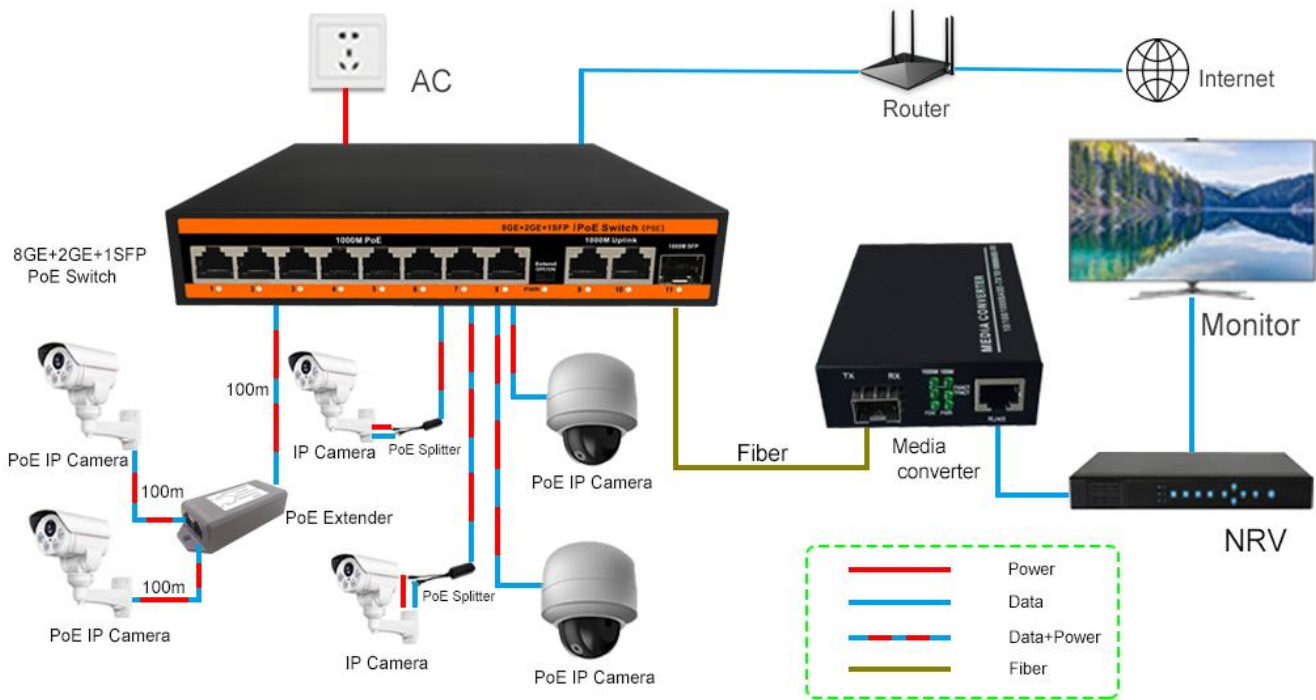
- ◇ Host low power consumption, fanless silent design, galvanised steel metal shell, excellent heat dissipation, to ensure stable operation of the product.
- ◇ Port lightning protection up to 4KV, power supply lightning protection up to 4KV

Product specifications:

Model	ND-PSE0821G		
Power	Power Adapter Voltage	AC 110V-240V	
	Consumption	120W	
Network Connector	Network Port	PoE Ethernet Port	1~8 Port : 10/100Mbps
		Ethernet port	Uplink Port : 10/100/1000Mbps
		SFP Port	SFP Port: 1000Mbps
	Transmission Distance	1~8 Port : 100Mbps:0~100m; 10Mbps: 0~250m;	
		Uplink Port : 0 ~ 100m	
Transmission Medium		SFP: depends on the optical module(20km...100km)	
Network Switch	Network Standard	Cat5/5e/6 standard network cable	
	Switching Capacity	IEEE802.3 10BASE-T; IEEE802.3i 10Base-T; IEEE802.3u 100Base-TX; IEEE802.3x	
	Packet Buffer Memory	7.6Gbps	
	Throughput	1Mbits	
	MAC Table	5.6544Mpps	
	Packet Forwarding rate	2K	
Power Over Ethernet	PoE Standard	10Mbps:14880pps/port 100Mbps:148800pps/port 1000Mbps:1488000pps/port	
	PoE Power Supply	IEEE 802.3af/at	
	PoE Power	12+ ,36 - , 4 core power supply af=15.4W,at=30W for each port	

RJ45 port	1-8 ports 10/100BaseT(X) auto-detect, full/half duplex MDI/MDI-X adaptive	
forwarding mode	Store-and-forward (full wire speed)	
LED indicator	Power indicator: PWR (green); Network indicator: Link (yellow); POE working indicator: PoE (green); Function switch indicator: EXTEND (green).	
Environmental	Working temperature	0℃~55℃
	Relative Humidity	5~90%
	Storage temperature	-40℃~70℃
	Relative Humidity	5~95%
Mechanical	Dimension (L×W×H)	190mm*125mm*38mm
	Color	Black
	Weight	0.81kg

Product Connection Topology:



Ordering Information:

Part No	Description of product	Unit
ND-PSE0821G	Unmanaged 8*10/100M bit PoE ports,2*10/100/1000M Uplink Port and 1*1000Mbps SFP Slot PoE switch, 1-8 ports support IEEE 802.3af/at international standard. Adjust the function switch to achieve 1-8 port VLAN isolation and 10M/250m long distance transmission, built-in 120W power supply. 4KV lightning protection for both power supply and ports	pc