Product Overview：

Newbridge®ND-PSE1621G unmanaged PSE PoE-powered switch with 16 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 300W. 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 16 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

◇ 16 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 300W, 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 1-16 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 1-16 are isolated from each other but are interoperable with ports 17-18, preventing DHCP conflicts, optimising port cache utilisation and reducing broadcast storms.
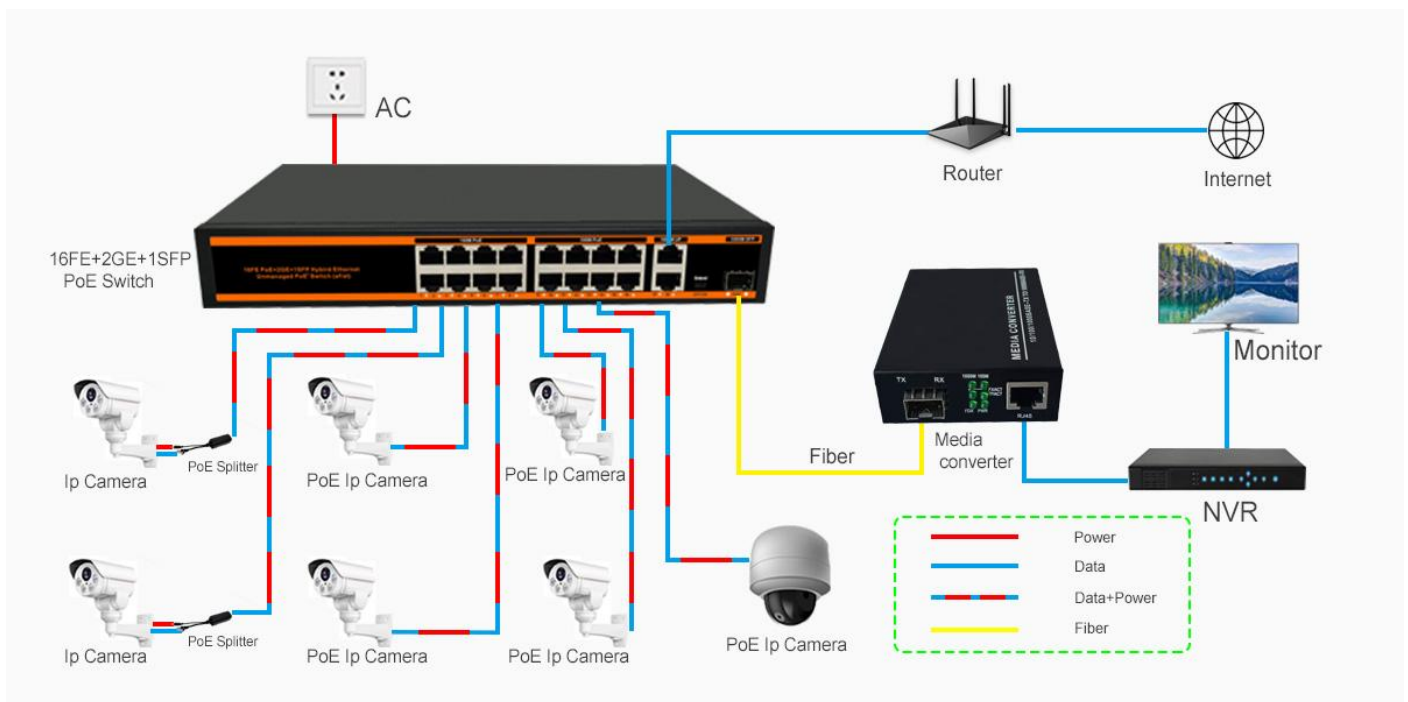
Stable and reliable equipment

◇ 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-PSE1621G
Power	Power Adapter Voltage		AC 110V-240V
	Consumption		300W
Network Connector	Network Port	PoE Ethernet Port	1～16 Port：10/100Mbps
		Ethernet port	Uplink Port：10/100/1000Mbps
		SFP Port	SFP Port: 1000Mbps
	Transmission Distance		1～16 Port：100Mbps:0~100m; 10Mbps: 0~250m;
			Uplink Port：0 ～ 100m
			SFP: depends on the optical module(20km...100km）
	Transmission Medium		Cat5/5e/6 standard network cable
Network Switch	Network Standard		IEEE802.3 10BASE-T； IEEE802.3i 10Base-T； IEEE802.3u 100Base-TX； IEEE802.3x
	Switching Capacity		9.2Gbps
	Packet Buffer Memory		1Mbits
	Throughput		6.8448Mpps
	MAC Table		2K
	Packet Forwarding rate		10Mbps:14880pps/port 100Mbps:148800pps/port 1000Mbps:1488000pps/port
Power Over Ethernet	PoE Standard		IEEE 802.3af/at
	PoE Power Supply		12+ ,36 - , 4 core power supply
	PoE Power		af=15.4W,at=30W for each port
RJ45 port	1-16 ports 10/100BaseT(X) auto-detect, full/half duplex MDI/MDI-X adaptive		
forwarding mode	Store-and-forward (full wire speed)		

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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)	310mm*183mm*45mm
	Color	Black
	Weight	1.75kg

Product Connection Topology：

Ordering Information：

Part No	Description of product	Unit
ND-PSE1621G	Unmanaged 16*10/100M bit PoE ports,2*10/100/1000M Uplink Port and 1*1000Mbps SFP Slot PoE switch, 1-16 ports support IEEE 802.3af/at international standard. Adjust the function switch to achieve 1-16 port VLAN isolation and 10M/250m long distance transmission, built-in300W power supply. 4KV lightning protection for both power supply and ports	pc

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