4*10/100/1000Mpbs PoE Switch

ND-AHPG0421

NEWBRIDGE®

FEATURES

- 4*10/100/1000Mbps PoE ports, 2*10/100/1000Mbps uplink port，1*1000Mbps SFP Slot
- Support IEEE802.3af/at
- Support restrain network storm, VLAN function
- Support Max Transmission distance up to 250m with PoE Power
- Support AI self-healing mode（Watchdog function）
- The toggle horse can be switched at will without power
- All port supported by MDI/MDIX auto flip and self-negotiation
- Built-in power supply;
- Maximum power of single PoE port: 30 W
- Maximum PoE power: 65W
- Adopts store-and-forward architecture
- Fanless, natural cooling, small,compact and quiet design, suitable for desktop or wall
- Support lightning protection 4kV

Newbridge®The 4-port 10/100/1000Mbps AI PoE switch provides seamless data connectivity for 10/100/1000Mbps Ethernet and PoE power for powered devices such as network surveillance cameras and wireless (AP).

The switch has 4* 10/100/1000Mbps PoE+ ports + 2* 100/1000Mbps uplink ports+ 1 Gigabit SFP ports, where 1-4 1000 Mbps downlink power ports all support powering PoE network cameras via UTP Category 5 and above unshielded twisted pair cables. 4 10/100/1000 Mbps adaptive RJ45 downlink ports all support 802.3af/at standard PoE power supply.   Support priority mechanism, when the remaining power is insufficient, the power supply of the high priority port is guaranteed first to avoid overloading the equipment. The maximum PoE output power of the whole machine is 65W, and the maximum power supply power of individual ports is 30W.

The 4 ports of Power over Ethernet can achieve AI self-healing function (watchdog function) by toggling any dial horse switch in the case of non-stop power, 250m long distance + VLAN isolation mode，which automatically detects the data communication status in real time. When a port communication fault occurs, the corresponding port   restarts automatically to recover the network communication and avoid manual maintenance.The Value lies in help to build the AI intelligent security transmission ecosystem.

Users can easily understand the working status of the device through the power indicator and status indicator of each port, plug-and-play, no configuration required, simple and convenient.

Specifications

Model	ND-AHPG0421		
Power	Power Adapter Voltage		AC 110V-240V
	Consumption		65W(52V 1.44A)
Network Connector	Network Port	PoE Ethernet Port	1～4 Port : 10/100/1000Mbps
		Ethernet port	Uplink Port : 10/100/1000Mbps
		Watchdog	SFP Port: 1000Mbps
	Transmission Distance		1～4 Port : 100/1000Mbps:0~100m 10Mbps: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		IEEE802.3/802.3u, IEEE802.3x,IEEE802.ab
	Switching Capacity		14Gbps
	Packet Buffer Memory		1Mbits
	Throughput		10.416Mpps
	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		1/2 + ,3/6- ;4 core power supply
	PoE Power		af=15.4W,at=30W for each port
RJ45 port	Port Function		Power priority mechanism, fast and forward, MAC automatic learning and aging IEEE802.3X Full-duplex and mode and backpressure for Half-duplex mode
LED Indicator	LED Indicator		LINK/ACT.100Mbps; PoE Status Indicator; Power indicator;Extender
Environmental	Working temperature		0℃~55℃
	Relative Humidity		20~95%
	Storage temperature		-20℃~70℃
Mechanical	Dimension (L×W×H)		220mm*140mm*45mm
	Color		Black

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Application
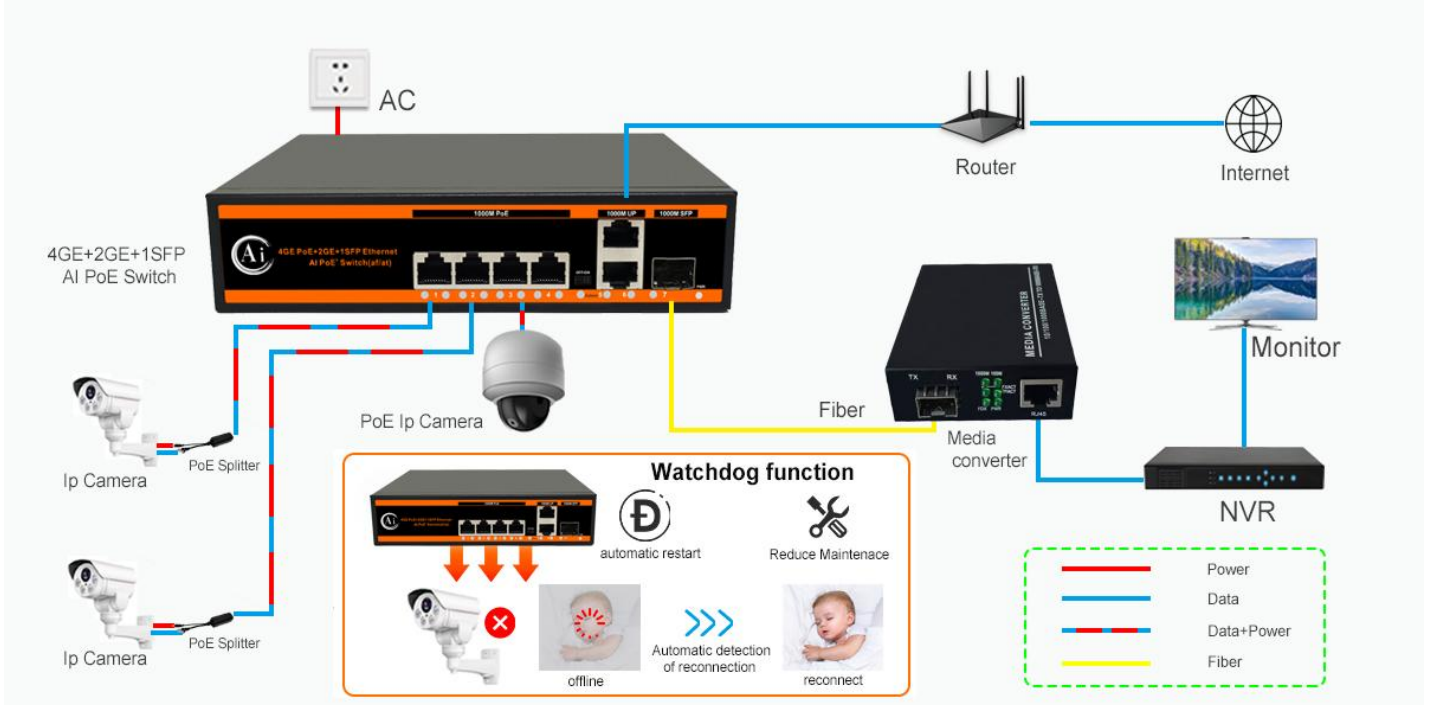
Order Information

Part No	Description of product	Unit
ND-AHPG0421	7ports switch with 4*10/100/1000M bit PoE ports,2*10/100/1000M Uplink Port,1*1000Mbps SFP Slot,PoE Standard: IEEE 802.3af/at,PoE data & power transmission distance 100meters(100Mbps),250meters(10Mbps) ,1-4PORT support Watchdog function	pc