6 ports Gigabit Intelligent Industrial POE Switch

HR500-AFG-411S intelligent industrial Ethernet Switch，support 4 * gigabit POE ports+1* gigabit uplink Ethernet port+1*gigabit SFP port，support DIN-Rail & Wall mounts，support double power supply input (DC48-55V)，working temperature -40℃~ +85℃，It has passed the industrial environment certification and complies with FCC ,CE,CCC.RoHS standards.The reliable industrial design can ensure that your automation system runs without interruption and stability.

This series of industrial POE switches can be widely used in wind, electricity, assembly automation, subway PIS, power SCADA, sewage treatment, metallurgy, intelligent transportation, rail transportation, military and other industries,is a green low power industrial Ethernet switch.

【Main feature】

1. Support 4 * gigabit POE ports+1* gigabit uplink Ethernet port+1*gigabit SFP port

2. Support IEEE802.3、IEEE802.3u，IEEE802.3x，IEEE802.3af/at，store and forward

3. Compatible with both IEEE802.3at（30W）and IEEE802.3af（15.4w）

4. IP40 protect grade, high strength iron shell, DIN35 Rail installation

5. Industrial grade 4 design, -40 to 85°C working temperature.

6. Support one-click smart dial switch

7. Support port Surge Protection: Common mode 6KV, Differential mode 2KV; ESD 15KV, Contact 8KV

8. Comply with EMC EN55032 standard

【Application Environment】

Metro Optical Broadband Network: Data network operators such as telecommunications, cable TV, and network system integration,etc.

Broadband private network: suitable for financial, government, oil, railway, electric power, public security, transportation, education and other industries
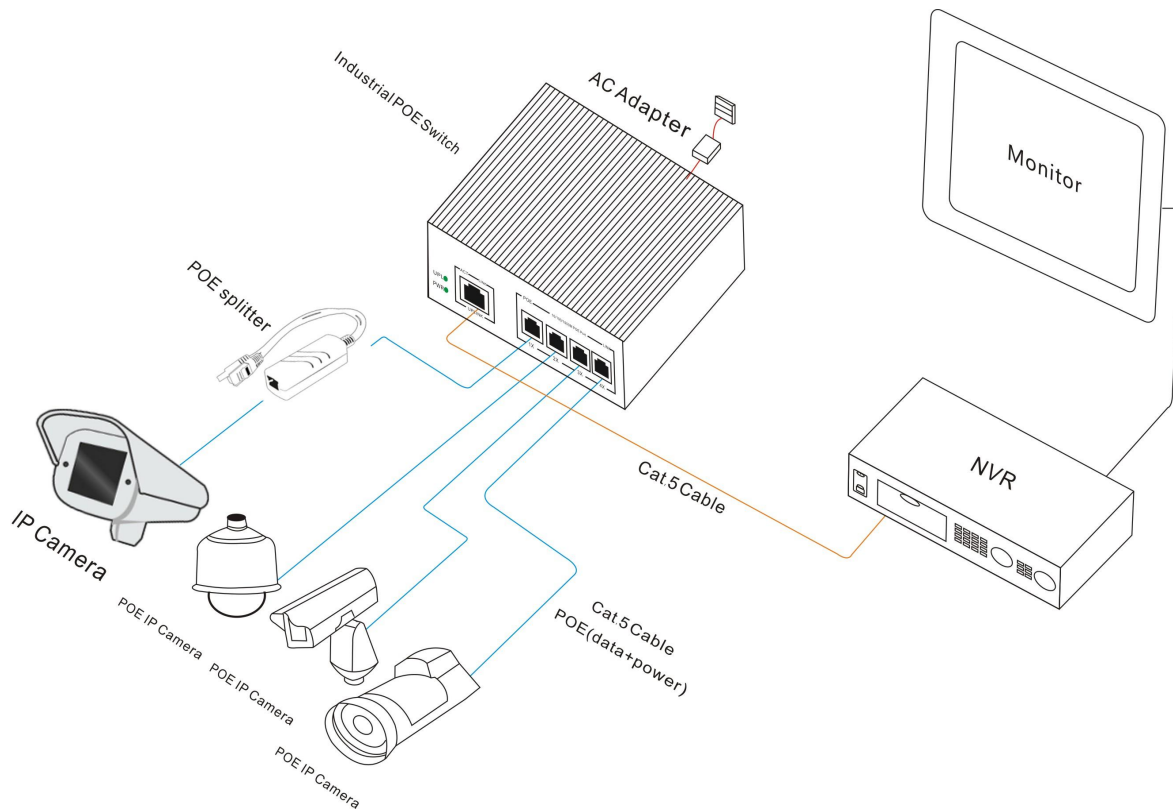
Multimedia transmission: integrated transmission of images, voice and data, suitable for remote

teaching, conference TV, videophone and other applications

Real-time monitoring: simultaneous transmission of real-time control signals, images and data

Resistant to harsh environments: suitable for networking in harsh environments with strong electromagnetic interference and long distances

【Connection schematic diagram】

【Technical indicators】

Product name	6 ports Gigabit Intelligent Industrial POE Switch
Model	HR500-AFG-411S
Connector Type	4 * gigabit POE ports+1* gigabit uplink Ethernet port+1*gigabit SFP port
Network Protocols	IEEE802.3
	IEEE802.3i
	IEEE802.3u
	IEEE802.3ab
	IEEE802.3z
POE Parameters	POE Standard: IEEE802.3at (30W) and IEEE802.3af (15.4w)

	Each port Max：15.4 W (IEEE 802.3af)				
	Each port Max：30 W (IEEE 802.3at)				
	POE compatibility：IEEE 802.3af/at adaptive				
	POE port output： DC 52V				
	POE power supply core：1/2+ ; 3/6-				
Network Media	10BASE-T: Cat5 or more UTP(≤100 m)				
	100BASE-TX: Cat5 or more UTP(≤100 m)				
	1000BASE-TX: Cat5 or more UTP(≤100 m)				
Fiber Media	Multi-mode：850nm，1310nm. transmission distance：550m/2Km				
	Single-mode：1310nm，1550nm. transmission distance：				
	20/40/60/80/100/120Km				
Dial	1、2 both off	Standard mode：1-6 port shared exchange communication			
	1on、2off	VLAN isolation mode:1-4 ports are isolated from each other and cannot communicate; 5-6 ports are interoperable; 1-4 can only communicate with ports 5 and 6			
	1off、2on	Extend mode：The 4th port is at a 10M rate, and the other ports are at a 1000M rate.1-6 port shared exchange communication			
	1、2 both on	VLAN+10M mixed model：The 4th port is at a 10M rate, and the other ports are at a 1000M rate.1-4 ports are isolated from each other and cannot communicate; 5-6 ports are interoperable; 1-4 can only communicate with ports 5 and 6			
LED indicator	PWR (Power supply indicator Red)	Lighting：Powered Un-Light：No Power			
	SW (DIP indicator	1	2	Indicate	Mode
		off	off	No light	Standard swapping
		on	off	Lighting	VLAN

Green)				The 4th port at a 10M rate
	off	on	Slow flash	
	on	on	Quick flash	10M+ VLAN
	1-6 (Green)	Lighting：Connecting Flashing：Data Transmit Un-Light：Disconnect		
Power Supply	Power input: DC48～55V power supply wiring: 4 PIN terminal block （redundancy V1+V1-,V2+V2-）			
Working Environment	Operating Temperature: -40～85℃ Storage Temperature: -40～85℃ Humidity: 5%~95 %(non-condensing)			
Industry Standard	EMI: FCC Part 15, CISPR (EN55032) class A EMS: EN61000-4-2 (ESD) EN61000-4-4 (EFT) EN61000-4-5 (Surge)			
Mechanical Structure	Shell protect grade: IP40 Installation: DIN rail N.W.：0.409KG G.W: 0.489KG（without power supply） Product Dimension (L×W×H): 119MM*87MM*28MM Package Dimension (L×W×H): 175MM*130MM*55MM			
Package Contents	Industrial Switch： 1 unit User Guide：1unit Certificate warranty card：1unit			
Certification	CE、FCC、CCC、RoHS			
MTBF	100,000 hours			
Warranty	5 years			
Hardware parameter				
Bandwidth	12Gbps			

Cache	1M
Chipset	88E6176
Package Forwarding Rate	8.928Mpps
MAC address	8K
Forwarding mode	Store-and-forward

【Order information】

Product	Description
HR500-AFG-411S	Support 4 * gigabit POE ports+1* gigabit uplink Ethernet port+1*gigabit SFP port，af/at

【Product rendering】