



KSH-CL2P4G-IND

Industrial Management Gigabit POE Manager

4 10/100/1000M RJ45 port + 2 1000M SFP



/ Hardware

4 10/100/1000M RJ45 port + 2 1000M SFP

/ Hardware Feature

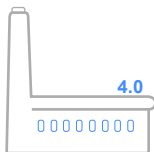
Adopt fanless cooling circuit design, suitable for the condition of no AC power supply, support dual DC power supply

// Network Management Function

RUN-Ring (self-healing time<10ms) RSTP/VLAN/QoS port aggregation/Switching/security management features

/ Application Field

Suitable for video surveillance/intelligent transportation/severe industrial environment



Industrial Grade

- Suitable harsh environment -40~75
- Low power consumption design
- seismic rail installation



Lightning Protection Anti-Static

- Lightning protection 6000
- Anti-static 8KV/ 15KV



Multiple Protection Mechanisms

- Packet filtering/ARP protection
- IP source protection
- DOS protection



Quick Working Mode

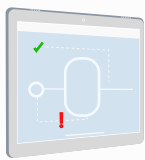
- AI POE/EXTEND VLAN/LOOP PROTECT

Product Perspective



Port	4 10/100/1000M RJ45 ports 2 1000M SFP ports			Input power: 48-56V DC		
Power Supply	4 10/100/1000Mbps RJ45 ports support 802.3af/at POE power supply Maximum power supply per port is 46W			Shell: IP40 grade protection, corrugated high-strength metal Installation: DIN rail installation		
Performance Specification	Forwarding mode: store and forward Backplane bandwidth: 12Gbps Packet forwarding rate: 8.9Mpps Support 8K MAC address table depth			Size: 163mm*46.5mm*110mm Weight: 1kg		
Standard	IEEE 802.3: Ethernet Media Access Control (MAC) protocol			ESD Contact: $\pm 8\text{KV}$ Air: $\pm 15\text{KV}$		
	IEEE 802.3i: 10 BASE-T Ethernet			Lightning Protection Network port: $\pm 6\text{KV}$ Power port: $\pm 4\text{KV}$		
	IEEE 802.3u: 100 BASE-TX Fast Ethernet			No Failure 360,000 hr		
	IEEE 802.3ab: 1000 BASE-T Gigabit Ethernet			Chip Broadcom high-performance chip RAM: 64MB DDR FLASH: 16MB		
	IEEE 802.3z: 1000 BASE-X Gigabit Ethernet (optical fiber)			EMI: FCC CFR47 Part 15 EN55022 / CISPR22, Class A		
	IEEE 802.3ad: A standard method for performing link aggregation			EMS: IEC 61000-4-2 (ESD): $\pm 8\text{kv}$ (contact) $\pm 15\text{kv}$ (air)		
	IEEE 802.3x: flow control	IEEE 802.3af	IEEE 802.3at	IEC61000-4-3 (RS): 10V/m (80MHz-2GHz)		
	IEEE 802.1p: LAN Layer 2 QoS/Cos protocol (multicast filtering) on traffic priority			IEC61000-4-4 (EFT): Power Port: $\pm 4\text{kV}$; Data Port: $\pm 2\text{kV}$		
	IEEE 802.1q: VLAN bridge operation		IEEE 802.1d: STP spanning tree	IEC61000-4-5 (Surge): Power Port: $\pm 2\text{kV}/\text{DM}$ $\pm 4\text{kV}/\text{CM}$ Data Port: $\pm 6\text{kV}$		
	IEEE 802.1s: MSTP spanning tree		IEEE 802.1w: RSTP spanning tree	IEC61000-4-6 (CS): 3V(10kHz); 10V(150kHz-80MHz)		
LED Indicator	4 POE indicators		6 LINK/ACT indicators		IEC60068-2-6(Vibration)	
	ALM alarm indicator		P1/P2 power indicator	1 SYS light	IEC60068-2-27(Shock)	
Working Environment	Working / storage temperature : - 40° 75℃ Relative humidity : 5%-95%, no condensation			IEC60068-2-32(Free Fall)		
				Safety Regulations CE/ROHS/FCC		
				Warranty Switch 3 years, Total Maintenance		

LINK OBJECT



SCREEN



DOOR CONTROL



PLC



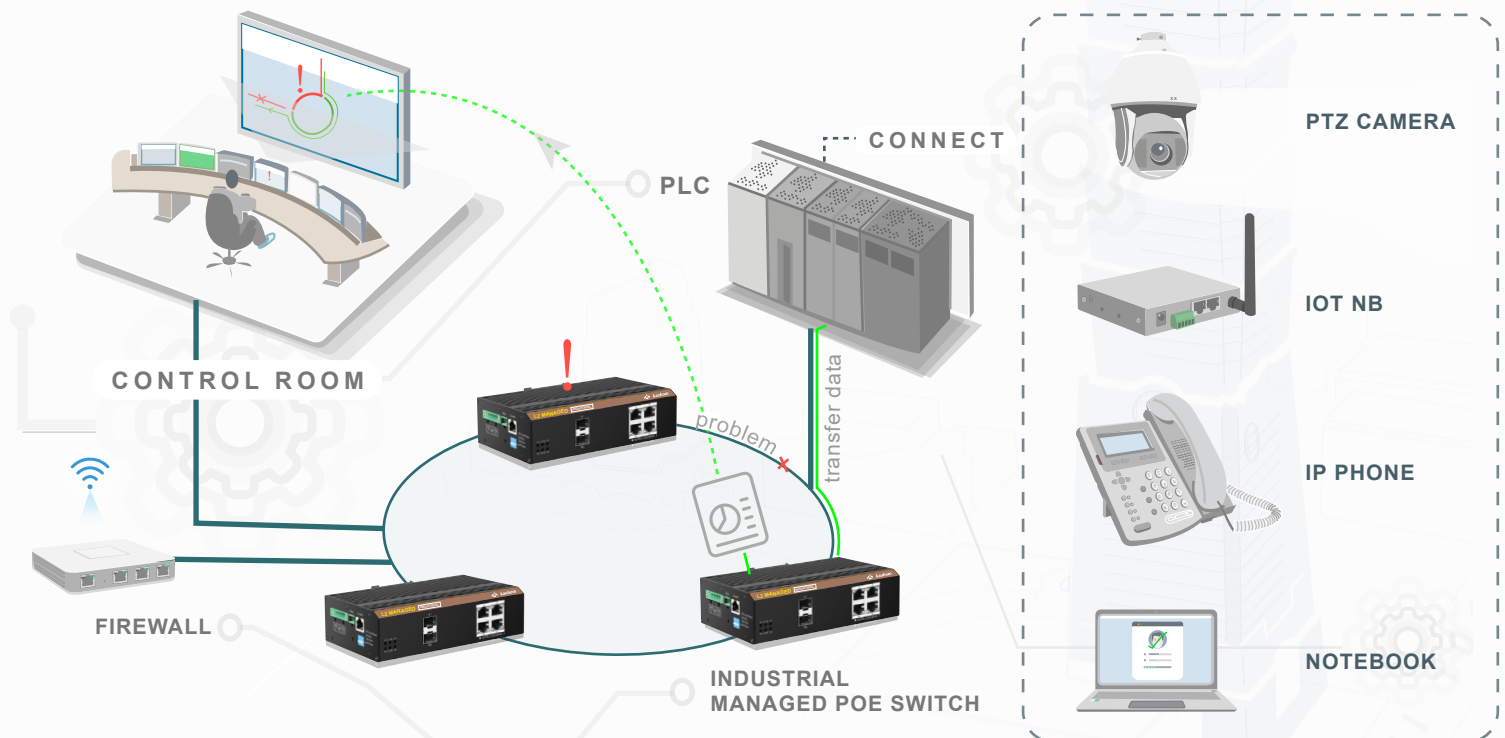
SERVER(for L3)



IOT NB

PASS THROUGH
POWERED SWITCH

SYSTEM ARCHITECTURE DIAGRAM



'BRAND' IS A PRODUCT, BUT THE CONTROL OF EACH PRODUCT IS A 'BRAND'