

INDUSTRIAL SWITCH PRODUCTS

L2 Unmanaged industrial Ethernet switch with 4x10/100/1000M RJ45 ports and 2x1000M SFP fiber slot port



PRODUCT DESCRIPTION

The IES-4GT-2SFP is a full gigabit industrial Ethernet fiber switch independently developed by Focomm. It is designed to meet industrial fields and systems and can operate stably for a long time in harsh environments. The IES-4GT-2SFP has 4*10/100/1000M RJ45 ports and 2*1000M SFP fiber slot ports. Each port can support full line-rate forwarding.

IES-4GT-2SFP industrial Ethernet switch has excellent industrial field environment adaptability (including mechanical stability, climate adaptability, electromagnetic environment adaptability, etc.), protection level up to IP40, support for dual redundant power supply, low power consumption and fanless cooling technology, MTBF average trouble-free working time up to 35 years, 5-year warranty, unmanaged models, plug and play, no configuration, easy to use. It is suitable for industrial scenes such as intelligent transportation, rail transit, electric power, mining, metallurgy and green energy construction to form a cost-effective and stable communication network.



FEATURE

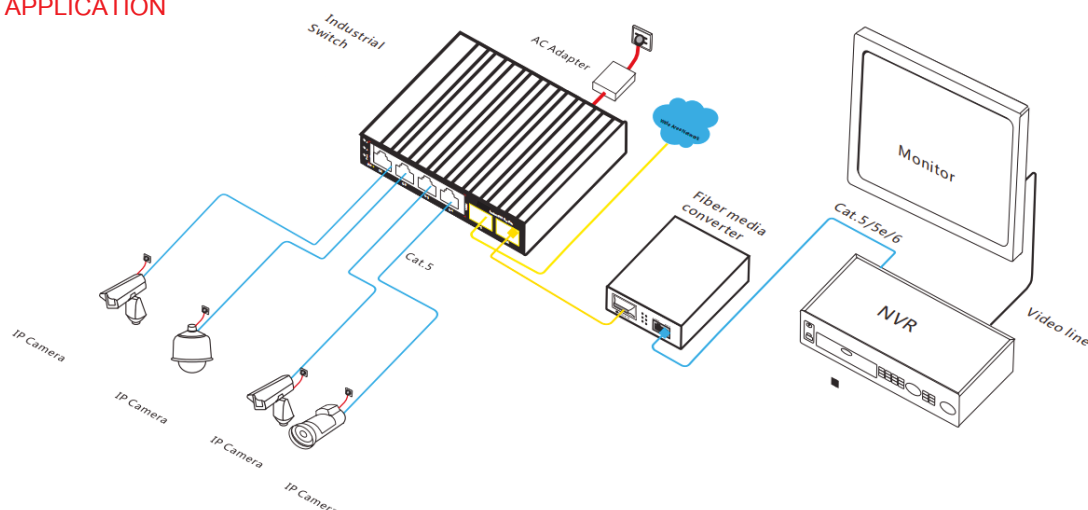
Full gigabit Ethernet port

- A combination of Gigabit Ethernet port and Gigabit SFP port to meet the networking requirements of various scenarios.
- Support non-blocking wire-speed forwarding.
- Support full-duplex based on IEEE802.3x and half-duplex based on backpressure.

Stable and reliable

- Low power consumption, no fan, aluminum shell.
- CCC, CE, FCC, RoHS.
- The user-friendly panel, it can show the device status through the LED indicator of PWR, Link.

APPLICATION



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TECHNICAL SPECIFICATION

Interface Characteristics	
Fixed Port	4*10/100/1000Base-T RJ45 ports (Data) 2*1000Base-X uplink SFP fiber slot ports(Data) 2 groups V+, V- redundant DC power interface (5P phoenix terminal)
Ethernet Port	10/100/1000Base-T auto-sensing, full/half duplex MDI/MDI-X self-adaption
Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP(≤100 meter) 100BASE-TX: Cat5 or later UTP(≤100 meter) 1000BASE-T: Cat5e or later UTP(≤100 meter)
SC Slot Port	Gigabit SFP optical fiber interface, default matching optical modules (optional order single-mode / multi-mode, single fiber / dual fiber optical module. LC)
Optical Cable/Distance	Multi mode: 850nm 0 - 550M, single mode: 1310nm 0 - 40KM, 1550nm0- 120KM.
Chip Parameter	
Network Protocol	IEEE802.3 10BASE-T, IEEE802.3i 10Base-T IEEE802.3u 100Base-TX, IEEE802.3ab 1000Base-TX IEEE802.3z 1000Base-X, IEEE802.3x
Forwarding Mode	Store and Forward(Full Wire Speed)
Switching Capacity	12Gbps
Forwarding Rate@64byte	8.93Mpps
MAC	8K
Buffer Memory	2M
Forwarding delay	<10us
Jumbo Frame	9.2K
LED Indicator	Power:PWR (green), network: Link, Link/Act (yellow)
Power	
Power Consumption	Standby<5W, Full load<8W
Power Supply	No, optional 24V24W industrial power supply
Working Voltage	12-48VDC; 5P industrial Phoenix terminal, support anti-reverseprotection.
Physical Parameter	
Operation TEMP / Humidity	-40~+80°C;5%~90% RH Non condensing
Storage TEMP / Humidity	-40~+85°C;5%~95% RH Non condensing
Dimension (L*W*H)	119*100*30mm
Net /Gross Weight	<0.7kg / <1.0kg
Installation	Desktop, DIN rail

Certification & Warranty	
Lightning protection / protection level	Lightning protection: 6KV 8/20us; Protection level: IP40 IEC61000-4-2(ESD):±8kV contact discharge,±15kV air discharge IEC61000-4-3(RS):10V/m(80~1000MHz) IEC61000-4-4(EFT): power cable:±4kV; data cable:±2kV IEC61000-4-5(Surge):power cable:CM±4kV/DM±2kV; data cable:±4kV IEC61000-4-6(radio frequency transmission):10V(150kHz~80MHz) IEC61000-4-8(power frequency magnetic field):100A/m;1000A/m ,1s to 3s IEC61000-4-9(pulsed magnet field):1000A/m IEC61000-4-10(damped oscillation):30A/m 1MHz IEC61000-4-12/18(shockwave):CM 2.5kV,DM 1kV IEC61000-4-16(common-mode transmission):30V; 300V,1s FCC Part 15/CISPR22(EN55022):Class A IEC61000-6-2(Common Industrial Standard)
Mechanical Properties	IEC60068-2-6 (anti vibration) IEC60068-2-27 (anti shock) IEC60068-2-32 (free fall)
Certification	CCC;CE mark, commercial; CE/LVD EN60950;FCC Part 15 Class B; RoHS;
Warranty	3years

ORDER INFOMATION

PRODUCT	PART NUMBER
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