



◆ 4-port 10/100/1000M Ethernet + 1-port 1000M Fiber Switch



- 4*10/100/1000M RJ45 ports+ 1*100/1000M SFP/SC port
Industrial Ethernet Switch
- Operation TEMP:-40~85°;
- Input voltage: DC12-57V, Redundant dual power 6-bit industrial terminals;
- IP protection level: IP40; Rail-type installation;

RoHS **FC** **CE**

Introduction

ES405G-4G-1F is a 10/100/1000M industrial Ethernet switch. It has 4*10/100/1000M port and 1*1000M SFP/SC port, It is suitable for intelligent transportation, rail transit, electric power, mining, metallurgy and green energy. Industrial scenes such as construction set up a cost-effective and stable communication network. Unmanaged model, plug and play, no configuration, easy to use.

TECHNICAL SPECIFICATION

Model	ES405G-4G-1F
Interface	4*10/100/1000Base-T ports (Data) 1*100/1000Base-X uplink SFP/SC fiber slot port (Data) 2 set of V+, V- redundant DC power interface (6 Pin Phoenix terminal)
Network Protocol	IEEE802.3 10BASE-T; IEEE802.3i 10Base-T; IEEE802.3u 100Base-TX; IEEE802.3ab 1000Base-T; IEEE802.3z 1000Base-X; IEEE802.3x
Ethernet Port Feature	Port 1-4 support 10/100/1000Base-T,auto-sensing,Full/half duplex MDI/MDI-X self-adaption
SFP Port	Gigabit SFP optical fiber interface, default matching optical modules (optional order single-mode / multi-mode, single fiber / dual fiber optical module. LC)
Forwarding Mode	Store and Forward (Full Wire Speed)
Switching Capacity	12Gbps
Forwarding Rate@64byte	7.44Mpps
MAC	1K
Buffer Memory	1M
Jumbo Frames	10K
MTBF	100000 hours
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)
Optical Fiber Cable	Multi-mode: 850nm 0~550M; single mode: 1310nm 0~40KM,1550nm 0-120KM.
Power Supply Pin	Default:1/2 (+), 3/6 (-)
Working Voltage	12-57VDC; 6 PIN industrial phoenix terminal, anti-reverse protection.

Power Consumption	Standby:<2W; Full load:<10W
LED Indicator	Power: PWR (green), Network: Link, Link/Act (green);
Operation TEMP / Humidity	-40~+80°C;5%~90% RH Non condensing
Storage TEMP / Humidity	-40~+125°C;5%~95% RH Non condensing
Dimension (L*W*H)	118*86*39mm
Net /Gross Weight	<0.7kg/<1.0kg
Installation	Desktop, 35mm DIN rail
Lightning protection / protection level	<p>Lightning protection: 6KV 8/20us; Protection level: IP40</p> <p>IEC61000-4-2(ESD): ±8kV contact discharge, ±15kV air discharge</p> <p>IEC61000-4-3(RS):10V/m(80~1000MHz)</p> <p>IEC61000-4-4(EFT): power cable: ±4kV; data cable: ±2kV</p> <p>IEC61000-4-5(Surge): power cable:CM±4kV/DM±2kV; data cable: ±4kV</p> <p>IEC61000-4-6(radio frequency transmission):10V(150kHz~80MHz)</p> <p>IEC61000-4-8(power frequency magnetic field):100A/m;1000A/m ,1s to 3s</p> <p>IEC61000-4-9(pulsed magnet field):1000A/m</p> <p>IEC61000-4-10(damped oscillation):30A/m 1MHz</p> <p>IEC61000-4-12/18(shockwave):CM 2.5kV, DM 1kV</p> <p>IEC61000-4-16(common-mode transmission):30V; 300V,1s</p> <p>FCC Part 15/CISPR22(EN55022): Class A</p> <p>IEC61000-6-2(Common Industrial Standard)</p>
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	3 years