

5-Port 100M Compact Ethernet Switch



- 2~5 fast Ethernet ports, Auto-negotiation speed, auto Full/Half Duplex Mode, and auto MDI/MDI-X connection
- 1~2 100BaseFX ports (SC connector default, FC/ST connector Optional), Maximum 120km distance
- Wide range voltage 12~48V DC power input
- Metal housing with IP40 protection, support high EMC level
- DIN-Rail Mounting and Wall Mounting supported
- Wide Operating Temperature (-40~85°C) to satisfy harsh industrial environment

Product Overview

5-Port 100M Compact Industrial Ethernet Switch is designed with IP40 metal housing and high level EMC protection, supports Auto-Negotiation speed, power input with wide range voltage, 2~5 10/100BaseT(X) RJ45 ports and 1~2 100BaseFX fiber ports (FC,ST optional), and DIN35 rail or wall mounting for the different industrial circumstances. It can work in harsh -40~85°C environment to provide the reliability and flexibility for your industrial Ethernet solution.

Features

- Support 802.3/802.3u, store-and-forward switching
- 2~5 10/100Base-T(X) RJ45 ports, support Auto-Negotiation speed (10M/100M), auto Full Duplex/ Half Duplex mode, auto MDI/MDI-X connection
- 1~2 100BaseFX Fiber ports (default SC port, FC/ST port optional), max distance to 120km
- Metal housing with IP40 and high level EMC protection
- Wide range power voltage with 12~48V DC input
- Work in -40~85°C wide temperature

Specifications

Technical Standard

- Protocol:IEEE802.3、 IEEE802.3u

Interface

- 2-5 RJ45 port: 10/100BaseT(X) speed Auto-Negotiation, Full/Half Duplex mode, MDI/MDI-X connection
- 1-2 Fiber port: 100BaseFX100M Full Duplex SC port (with FC/ST options), max distance to 120km

Switching Characteristic

- 10M Frame Forward Rate:14881pps
- 100M Frame Forward Rate:148810pps
- Forward Mode:store-and-forward
- Switching Bandwidth:1Gbps
- Cache Size:448Kbits
- MAC Address Table:1K

Power Supply

- Input: Wide DC power input (12V/24V/48V) with 7.62mm industrial power terminal
- No-load power consumption: 2 photo 2 electric 2.40W/1 photo 4 electric 1.68W/5 electric 0.24W(@24VDC)
- Full-load power Consumption:< 2.64W (@24VDC)

Physical Characteristic

- Dimensions(W×H×D):32mm×103mm×83mm
- Weight:200g
- Housing: Metal, IP40 protection
- Installation: Wall mounting or DIN rail mounting

Environment Limits

- Work Temp:-40°C~85°C
- Storage Temp:-40°C~85°C
- Relative Humidity:5%~95%(non-condensing)

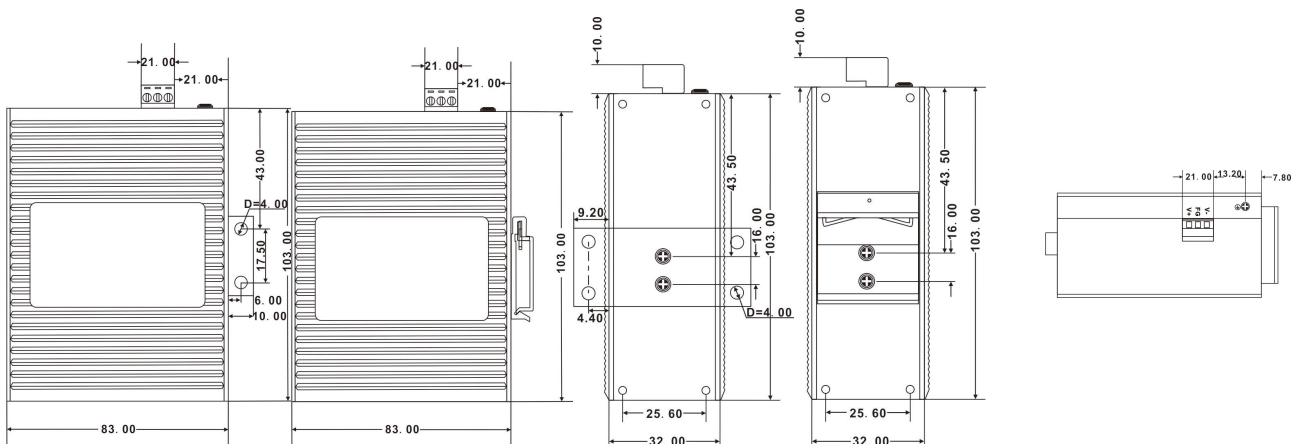
Warranty

- Warranty Period: 5 years

Standards and Certifications

- IEC61000-4-2(ESD):±6KV Contact, ±15KV Air (150KHZ-80MHZ)
- IEC61000-4-3(RS):10V/M(80-1000MHZ)
- IEC61000-4-4(EFT):Power ±4KV, Data Cable ±2KV
- IEC61000-4-5(Surge):Power ±2KV CM/ ±1KV DM, Data Cable±4KV
- IEC61000-4-6(CS):3V (10KHZ-150KHZ), 10V
- IEC61000-4-16(MS):30V COUNT 300V, 1S
- IEC60068-2-6(Vibration)
- IEC60068-2-27(Shock)
- IEC60068-2-32(Free Fall)
- IEC61000-6-2(General Industrial Standard)

Dimensions(mm)



Wall-Mounting 1

Din-Rail Mounting

Wall-Mounting 2

Din-Rail Mounting

LED 指示灯

LED	State	Description
PWR	OFF	Unconnected or faulty power supply
	ON	Power supply good
FX1~2	OFF	No fiber connection or fault
	ON	Fiber link normal
	Blinking	Fiber link normal and data is being transmitted
Each RJ45 port has two LED lights, yellow light is unused, and green light is port link status indicator		
10M/100M	OFF	RJ45 port not established valid connection
	ON	RJ45 port established valid connection
green light	Blinking	RJ45 port established valid connection and data is being transmitted

Models

Model	Description
Ck1022	4-Port 100M Compact Ethernet Switch, 2*10/100Base-T(X)RJ45 ports, 2*100Base-FX Fiber ports (SM/MM), -40°C~85°C
Ck1041	5-Port 100M Compact Ethernet Switch, 4*10/100Base-T(X)RJ45 ports, 1*100Base-FX Fiber ports (SM/MM), -40°C~85°C
Ck1050	5 □ 100M Compact Ethernet Switch, 5*10/100Base-T(X)RJ45 ports, -40°C~85°C

Package List

- 5-Port 100M Compact Ethernet Switch with industrial power terminal
- Product Manual
- Product Warranty