

Industrial Fast Ethernet Switch

IFC-1400



The IFC-1400 is industrial grade Fast Ethernet Switch that provides 4-port 10/100Base-TX and 1-port 100Base-FX. The reliable hardware design is suitable for keeping industrial automation application running continuously. Each IFC-1400 media converter comes with two relay output alarms and two redundant DC power inputs to help prevent damage and loss. The IFC-1400 media converter is available in models that support operating temperatures of 0 to 60 degree C.

Features

- 4-port 10/100Base-TX to 100Base-FX Switch
- Auto-Negotiation on two LAN port
- Auto MDI/MDIX
- Supports max forwarding packet length 1552 bytes
- Supports Q in Q double tagged frame transparent
- Supports IEEE 802.1q Tag VLAN pass thru
- Supports flow control (Pause)
- Supports Far End Fault
- Supports two Relay out (Arc-Free Contact)

Industrial Grade Performance

- Power or Optical Fiber failure alarm by relay output
- Supports DIN-Rail & wall mount
- Redundant dual DC power inputs

Specifications

Optical Interface

Connector: 1x9 (SC,FC,ST)

Data rate: 100Mbps

Duplex mode: Full duplex

Fiber

MM 50/125µm, 62.5/125µm.

SM 9/125µm

Distance

MM 2km, SM 15/30/50/80/120km,

WDM 20/40/60/80km

Wavelength

MM 1310nm, SM 1310,1550nm

WDM 1310Tx/1550Rx (type A)

1550Tx/1310Rx (type B)

Electrical Interface

Connector: RJ45

Data rate: 10Mbps, 100Mbps

Duplex mode: Half / Full duplex

Cable

10Base-T Cat.3, 4, 5, UTP,

100Base-TX Cat.5, 5e or higher

Standard

IEEE 802.3, IEEE 802.3u

LED Indications

PWR 1/2, FX-Link/Act, LAN1-Link/Act,

LAN2-Link/Act, Alarm

(Power or Optical Fiber Failure Alarm)

Power

Power Input

PWR : 1/2

DC12-48 VDC

Power Consumption < 4.8W

Mechanical

Dimension

106 x 62.5 x 134.8mm (DxWxH)

Weight

460g

Physical Characteristics

Housing: Metal

IP Protection

IP30

Environmental

Temperature

Operating: 0 ~ 60°C

Storage: -10 ~ 70°C

Humidity

0 ~ 90% non-condensing

Approvals

Safety

CSA C22.2 No.60950-1, EN60950-1

EMI

FCC Part 15, CISPR(EN55022) ClassA

EMS

EN61000-4-2 (ESD), Level3

EN61000-4-3 (RS), Level3

EN61000-4-4 (EFT), Level3

EN61000-4-5 (Surge), Level3

EN61000-4-6 (CS), Level3

EN61000-4-8

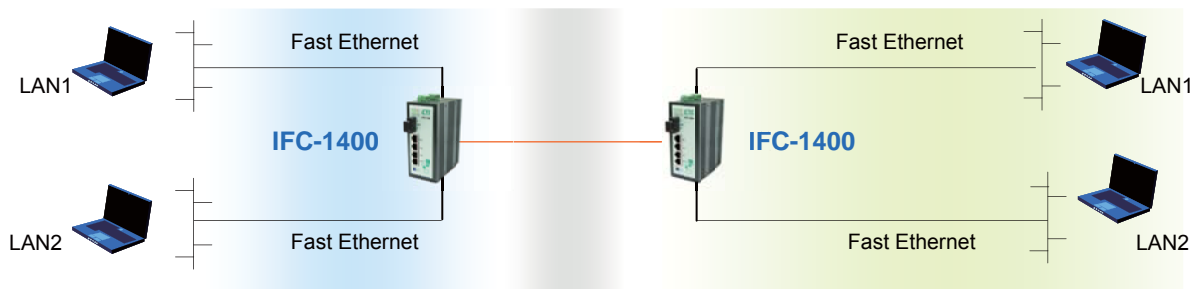
EN61000-4-11

MTBF 135,202 hrs

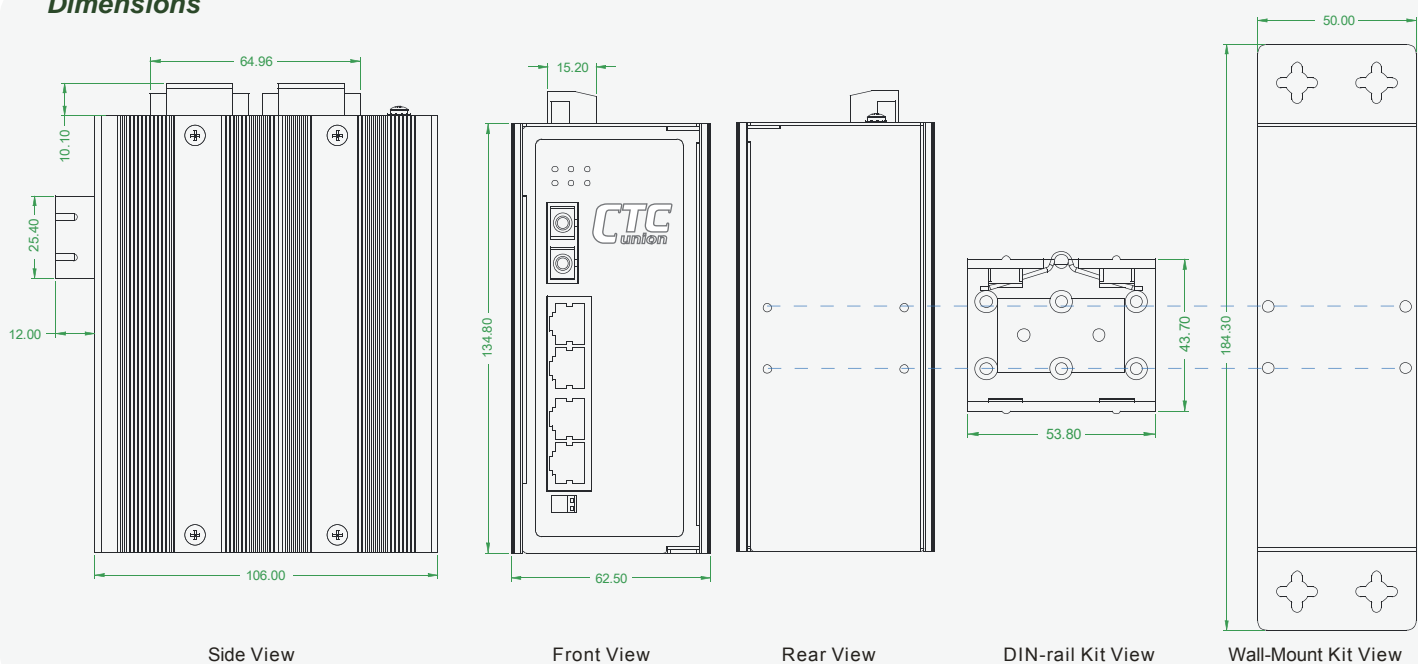
Warranty

5 years

Applications



Dimensions



Ordering Information

| Product Type | Connector Type | Connectivity Distance | Wide Temperature Range |
|---|-----------------------|-----------------------|--|
| IFC-1400 | SC | 002:2km | X:-40~85°C operating range *Standard model(IFC-1400)has 0 to 60°C operating range |
| IFC-1400-X | ST FC | *20A: WDM 20km A type | |
| | | 015:15km | |
| | | *20B: WDM 20km B type | |
| | | *40A: WDM 40km A type | |
| | | 030:30km | |
| | | *40B: WDM 40km B type | |
| | | 050:50km | |
| | | *60A: WDM 60km A type | |
| | | 080:80km | |
| *60B: WDM 60km B type | | | |
| 120:120km | *80A: WDM 80km A type | | |
| | *80B: WDM 80km B type | | |
| Optional Accessories | | | |
| DRK01: Din Rail mount kit (standardized 35 mm wide) | | | |
| WMK01:Wall mount kit | | | |

Sample: IFC-1400-SC002
IFC-DRK01