

Compact Industrial Ethernet Unmanaged Switch, Model IES104-1F

Features



- Support 4 of 10/100 Base-T(X) RJ45 port and 1 of 100Base-FX Optic Fiber SC interface, max distance to 120km
- Auto Full Duplex/ Half Duplex and Auto MDI/MDI-X connection
- Auto Negotiation
- Support 802.3/802.3u, Store-and-Forward switching,
- IP40 protective case with high grade Level 4 EMC design
- 12 to 48V DC power input, full load power consumption less than 4W
- DIN35 Rail or wall-mounted
- Wide Temperature range -40 to 85°C

It can meet the requirements of all kinds of Industrial field, providing convenient Ethernet communications solutions.

Technology

Standard : IEEE802.3, IEEE802.3u

Interface

RJ45 port : 10/100BaseT(X) Auto negotiate, Full/Half Duplex, MDI/MDI-X connection
Fiber port : 100BaseFX 100M Full Duplex, SC Connector, max distance to 120km

Switch Characteristics

10Base forward switching speed : 14881pps
100Base forward switching speed : 148810pps
Transmission mode : Store and forward switching
Switching Bandwidth : 1.6Gbps
Cache Size : 448Kbits
MAC address table : 1K

Power Requirements

Wide range voltage : 12 to 48V DC
Full load power consumption : Less than 4W
Overload-current protection

Physical Characteristics

Dimensions : 32mmx103mmx83mm (L x W x H)
Weight : 200 g
Housing : Metal, IP40 protection
Mounting : DIN rail mounting or Wall mounting

Environment Limits

Work Temp. : -40°C to 85°C
Storage Temp. : -40°C to 85°C
Relative Humidity : 5% to 95% (non-condensing)
MTBF : 475000hrs

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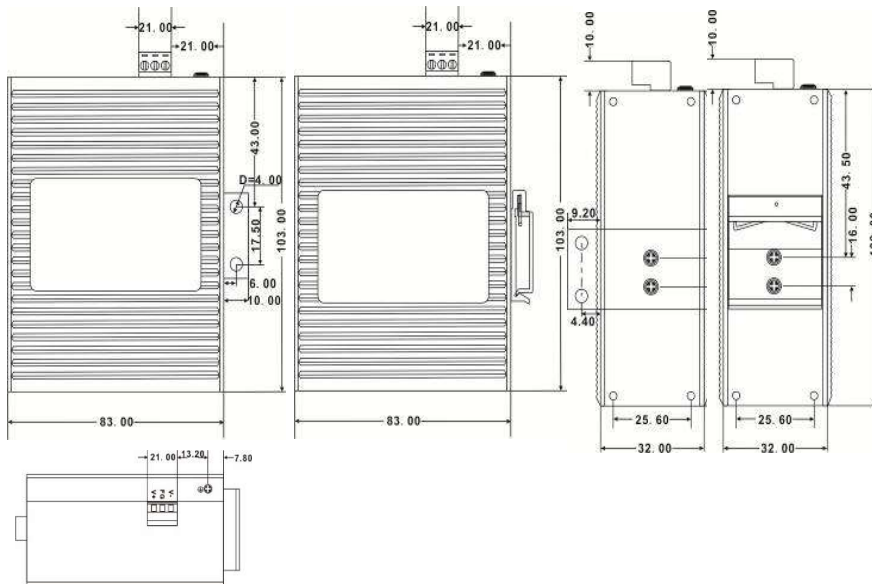


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Tested as per below standards

- IEC61000-4-2 (ESD) : ±6KV Touch, ±15KV Air Discharge
- IEC61000-4-3 (RS) : 10V/m (80-1000MHZ)
- IEC61000-4-4 (EFT) : Power ±4KV, Data ±4KV
- IEC61000-4-5 (Surge): Power ±2KV CM/+ ±1KV DM, Data : ±4KV
- IEC61000-4-6 (CS) : 3V (10KHZ-150KHZ), 10V (150KHZ - 80MHZ)
- 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



Model Codification : IES 104-1F-XX00-YY-ZZ

Model No.	10/100 BaseT Port	Fixed Fiber Port
IES 104-1F-XX00-YY-D	4	1

- XX** : Fiber type
 : MM for Multimode, SM for Singlemode. Singlemode is by default
- 00** : Fiber distance. 20Km by default for Singlemode
- YY** : Fiber Connector
 : SC for SC Connector, ST for ST Connector, FC for FC Connector
- ZZ** : DC for DC Supply