

# CK1000-1T1F

100M Unmanaged (DIN-Rail) Industrial Ethernet Fiber Optic Converter



## Features & Advantages

- Input Voltage: DC10-55V (AC/DC85-264V Optional)
- Operating Temperature: -40°C~+85°C
- Housing: IP40 protection, fan-free design
- Inspection Report: CE、FCC、RoHS
- Antistatic: 8KV-15KV
- MTBF: 100000 hours

## Product Overview

The CK1000-1T1F series is a 100M Unmanaged (DIN-Rail) Industrial Ethernet Fiber Optic Converter, supporting 1\*100MBase-X optical interface+1\*10/100MBase-T self-adaptive RJ45 port. The products also adopt with fan-free, low power consumption design, IP40 protection, a corrugated high-strength metal shell, which can enhanced stability of working performance. The product adheres to CE, FCC, and RoHS standards. -40~85°C operating temperature range enable to withstand harsh working environments. DIN-Rail installations, which can meet the requirements of various industrial settings, make it an ideal solution for quickly and reliably connecting users' Ethernet devices. The equipment can be widely used in various broadband data transmission fields, such as intelligent buildings, smart cities, smart communities, intelligent transportation, telecommunications, security, financial securities, customs, shipping, electricity, water conservancy, and oilfields.

## Technical Specification

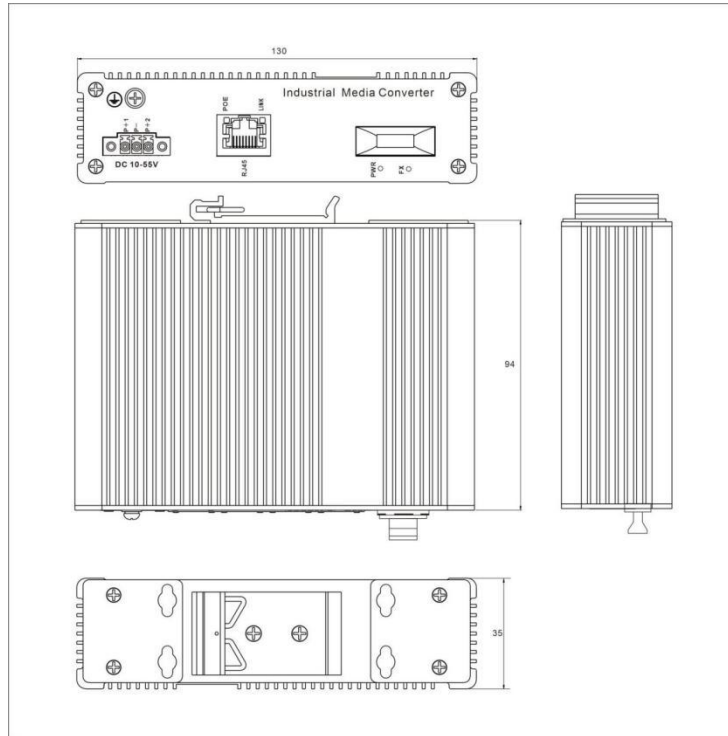
Business Interface	1*100MBase-X , 1*10/100MBase-T
Power Connector	3P Phoenix terminal, dual power supply redundancy

LED	Power indicator: PWR(green) ; Optical interface: FX(green); Network Port Indicator: yellow(100 or PoE), green(Link)
Cable Type & Distance	Twisted Pair 0-100m (CAT5e,CAT6) Single-Mode Fiber 20/40/60/80/100/120KM Multi-Mode Fiber 550m/2KM Optical Interface LC/SC/ST/FC
Network Topology & Scale	Point-to-Point Topology
Power Supply	Input Voltage DC10~55V (PoE/DC48~55V) Power Consumption Non-PoE full load(Total power)<4W, PoE full load<15.4W
PoE (Optional)	PoE Ports 1 PoE Protocols 802.3af 802.3at PoE Management unsupported
Switching Capacity	1.6G
MAC Address Table	1K
Packet Buffer	448K
Forward Delay	<10us
Port Feature	Crossover/Straight-Through self-adaption
Flow Control	Support
Packet Length	1536Kbytes
Storm Control	Support
Protection	IP40 IEC 61000-4-5 Level 3 (4KV/2KV) (8/20us) IEC 61000-4-5 Level 3 (6KV/2KV) (10/700us) IEC 61000-4-3 Level 3 (10V/m) IEC 61000-4-4 Level 3 (1V/2V) IEC 61000-4-6 Level 3 (10V/m) IEC 61000-4-8 Level4 (30A/m) IEC 61000-4-11 Level3 (10V) EMI CLASS A IEC 61000-4-2 Level 4 (15KV/30KV) 0.5m
Operating Temperature	-40°C~+85°C
Storage/Transportation Temperature	-40°C~+85°C
Relative Humidity	5%~95% (non-condensing)
Heat Dissipation Method	Fan-free Design for Natural Heat Dissipation
MTBF	100,000 hours
Size	130X94X35mm
Installation	DIN-Rail

Weight	0.5KG
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**Dimension**

Unit: mm



**Product Models**

Product Models	Specification & Descriptions
CK1000-1T1F	1*100MBase-X optical interface(default SC interface, ST/FC optional, Single-mode/Multi mode optional)+1*10/100MBase-T self-adaptive RJ45 port. DIN-Rail installation. -40°C~+85°C