



KOM300

Industrial Ethernet to Fiber Media Converter

CE, FCC, RoHS,
Chinese State
Grid Certification

Overview

KOM300 is an industrial fiber optic converter which can work in harsh electromagnetic environment and wide range of temperature.

Features

1. 1 100Base-FX port, 2 10/100Base-TX RJ45 ports
2. Support single mode single fiber bi-direction full duplex transmission
3. MAC Address Table Size: 1K, buffer cache: 1M
4. Plug and play.
5. Operating temperature: -40 to 85°C (-40 to 185°F)
6. IP30 protection class
7. DIN-Rail mounting or rack-mounting through 19 inch rack bracket

Technical Specifications

Standard

IEEE802.3, IEEE802.3u, IEEE802.3x, store and forward switching mode

Interface

2 x 10/100Base-T/TX, adaptive, RJ45 connector
1 x 100Base-FX, FC/SC/ST connector

Cable

Twisted Pair: 0-100m (Standard CAT5, CAT5e network cable)
Multi Mode Fiber: 1310nm, 0-5km
Single Mode Fiber: 1310nm, 0-40km; 1550nm, 0-80km

Power Requirements

Power input: 24VDC (12-36VDC), 48VDC (36-72VDC), 110VDC (70-140VDC), 220VAC/DC (85-265VAC/120-370VDC)
Input interface: 3-core 3.81 space inserting interface
Power consumption: <3W

Physical Characteristics

Casing: IP30
Fanless design
Dimensions (WxHxD): 36x100x75 mm (1.42x3.94x2.95 in.)
Weight: 300g (0.661 pound)
Installation: DIN-Rail mounting or Rack mounted through 19 inch rack bracket

Environmental Limits

Operating Temperature: -40 to 85°C (-40 to 185°F)
Storage Temperature: -40 to 85°C (-40 to 185°F)
Ambient Relative Humidity: 0 to 95% (non-condensing)

Approvals

IEC61000-4-2(ESD): ±8KV contact discharge, ±15KV air discharge
IEC61000-4-3(RS): 10V/M (80-1000MHz)
IEC61000-4-4(EFT): power line ±4KV, data line ±2KV
IEC61000-4-5(Surge): power line ±4KV CM/±2KV DM, data line ±2KV
IEC61000-4-6(CS): 3V(10KHZ-150KHZ), 10V(150KHZ-80MHz)
IEC61000-4-8(Power frequency magnetic field): 100A/m cont. 1000A/m, 1s to 3s
IEC61000-4-12/18(Damped oscillatory wave): 2.5KV CM, 1KV DM
IEC61000-4-10(Damped oscillatory): 30A/m
IEC61000-4-16(Common mode conduct): 30V cont. 300V, 1s
FCC CFR47 Part 15/EN55022: Class A&B
IEC61000-6-2(Industrial Standards), IEC61850-3(Substations), IEEE1613(Electric Power Substations), EN50121-4(Railway Applications)

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MTBF

35 years

Warranty

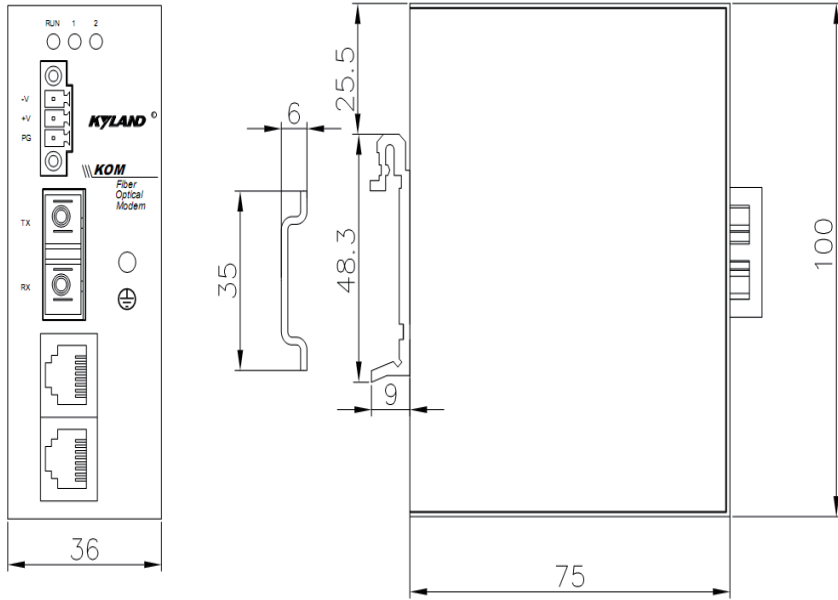
5 Years

Ordering Information

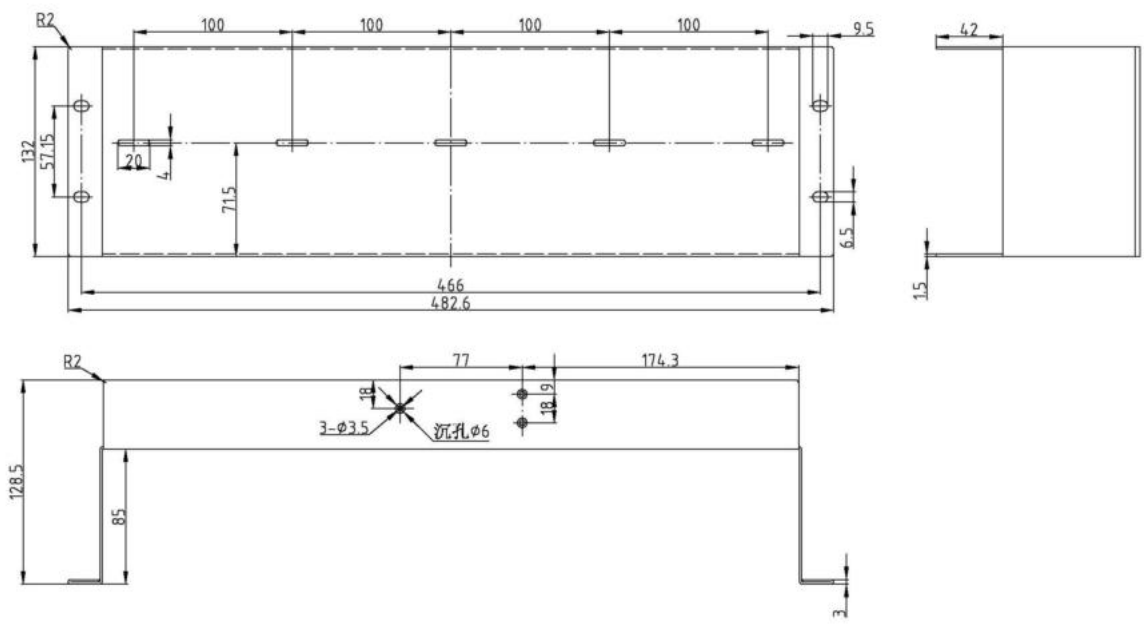
Model	Description
KOM300F-S(M)	1 x 100Base-FX SM/MM, full duplex with FC/SC/ST connectors, 2 x 10/100Base-TX RJ45
KOM300F-SD	1 x 100Base-FX single mode single fiber bi-direction full duplex with FC/SC/ST connector, 2 x 10/100Base-TX RJ45
KOMFrm	19 inch rack bracket 482.6x132x128.5mm (WxHxD)

Power supply: 24VDC, 48VDC, 110VDC, 220VAC/DC

Mechanical Drawing



KOM300



KOMFrm:19 inch rack bracket