



KOM300

Industrial Ethernet to Fiber
Media Converter

CE, FCC, RoHS,
Chinese State
Grid Certification

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

Overview

KOM300 is an industrial fiber optic convertor 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

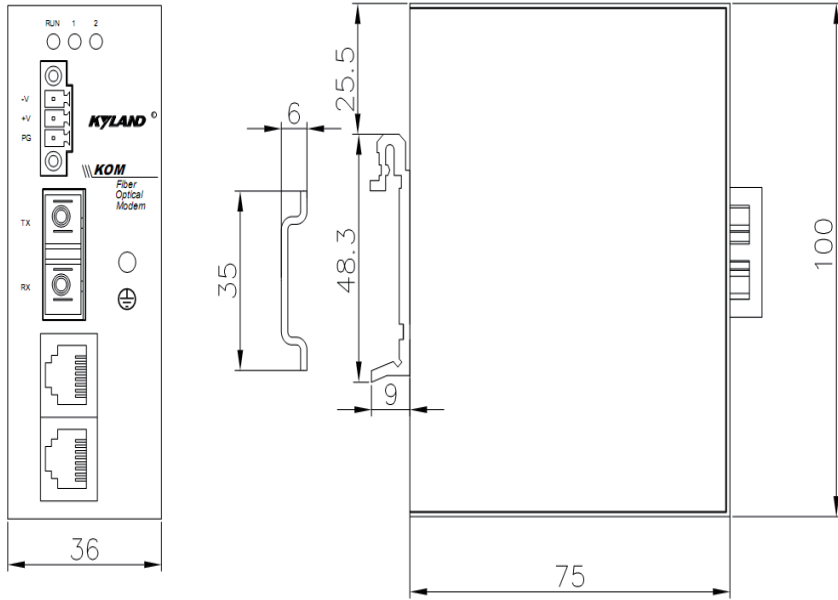
Power input: 24VDC (12-36VDC), 48VDC(36-72VDC), 110VDC(70-140VDC), 220VAC/DC(85-265VAC/120-370VDC)
Input interface: 3-core 3.81 space inserting interface
Power consumption: <3W

Ordering Information

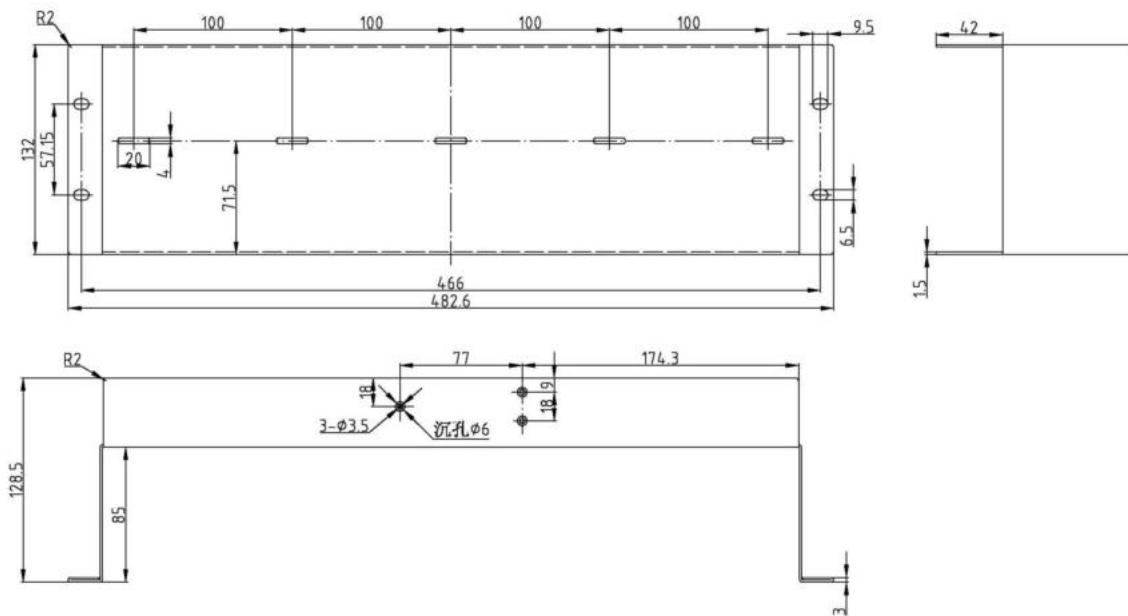
Model	Description
KOM300F-S(M)	1 x 100Base-FX SM/MM, full duplex with FC/SC/ST connectors, 2 x 10/100Base-TX RJ45
KOM300F-SD	1 x 100Base-FX single mode single fiber bi-direction full duplex with FC/SC/ST connector, 2 x 10/100Base-TX RJ45
KOMFrm	19 inch rack bracket 482.6x132x128.5mm (WxHxD)

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

Mechanical Drawing



KOM300



KOMFrm:19 inch rack bracket

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