KOM300F
3 port DIN-Rail copper to fiber media converters

⟫ Overview

The KOM300F is a ultra low power consumption Green industrial media convertor, its full load power consumption is as low as 2.2 watts. The KOM300F supports 1 100Base-FX fiber port and 2 10/100Base-T(X) copper ports. The KOM300F provides 12-48 VDC dual power inputs, supports DIN-Rail mounting or Panel mounting, metal housing with IP40 protection class, operating temperature -40°C to 75°C.

⟫ Key Features

Green Ethernet solution with ultra-low power consumption design, its full load power consumption lower than 2.2 watts
1 100Base-FX port and 2 10/100Base-T(X) RJ45 ports
Wide voltage range power input
IP40 protection class
EMC level 3
CE, FCC certificates

⟫ Product Specifications

>Product Specifications
-Standard

IEEE 802.3i(10Base-T)

IEEE 802.3u(100Base-TX and 100Base-FX)

-Switch Properties

MAC Table 2K

Packet Buffer 1Mbit

Packet Forwarding Rate 0.8Mpps

Switching Delay <5μs

-Interface

Fast Ethernet Ports

100Base-FX, SM/MM port, SC/ST/FC connector

10/100Base-T(X) RJ45 port

-LED

Indicators in the front panel

Power LED: PWR1, PWR2

Interface LED: Link/ACT, Speed (RJ45 Ports); Link/ACT(Fiber Ports)

-Power Requirements

12-48VDC(9-72VDC)： 4-pin 5.08mm-spacing plug-in terminal block

Power Consumption <2.2W

Overload Protection: Support

Reverse Protection: Support

Redundancy protection: Support

-Physical Characteristics

Housing Metal

Heat Dissipation Mode Natural cooling, without fans

Protection Class IP40

Dimensions 30mm×115mm×91.5mm (W×H×D)

Weight 0.4kg

Mounting DIN-Rail or Panel mounting

-Environmental Limits

Operating Temperature -40 to 75℃

Storage Temperature -40 to 85℃

Ambient Relative Humidity 5 to 95% (non-condensing)

-Quality Assurance

MTBF 478,852 hours

Warranty period 5 years

-Approvals

CE, FCC

EMC: EN 55032, EN 61000-6-4, EN 61000-6-2

IEC 62368-1, EN 62368-1

-Industry Standard

EMI FCC CFR47 Part 15,EN55032/CISPR22,Class A

EMS

IEC61000-4-2(ESD) ±6kV(contact),±8kV(air)

IEC61000-4-3(RS) 10V/m(80MHz-2GHz)

IEC61000-4-4(EFT) Power Port:±2kV;Data Port:±1kV

IEC61000-4-5(Surge) Power Port:±1kV/DM,±2kV/CM;Data Port:±2kV
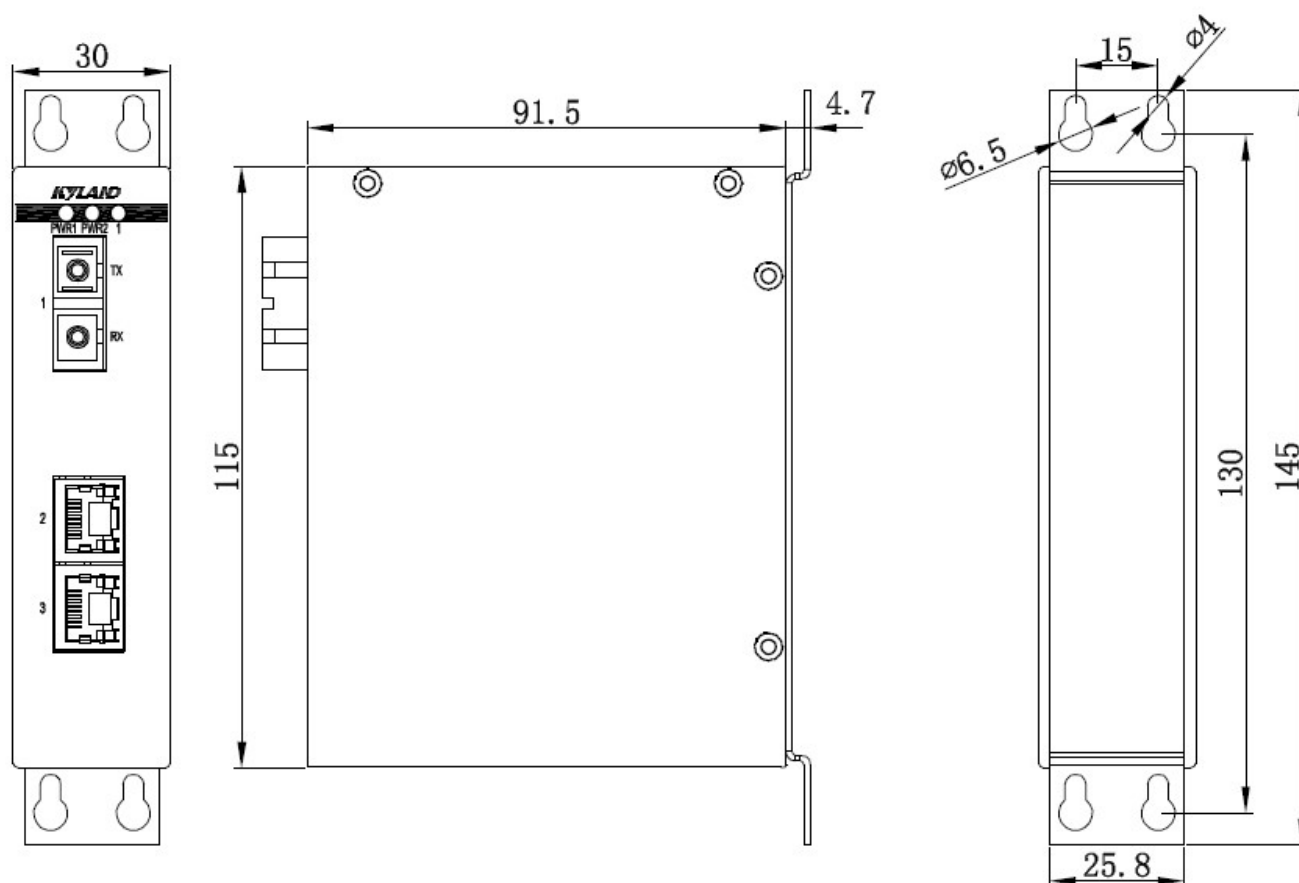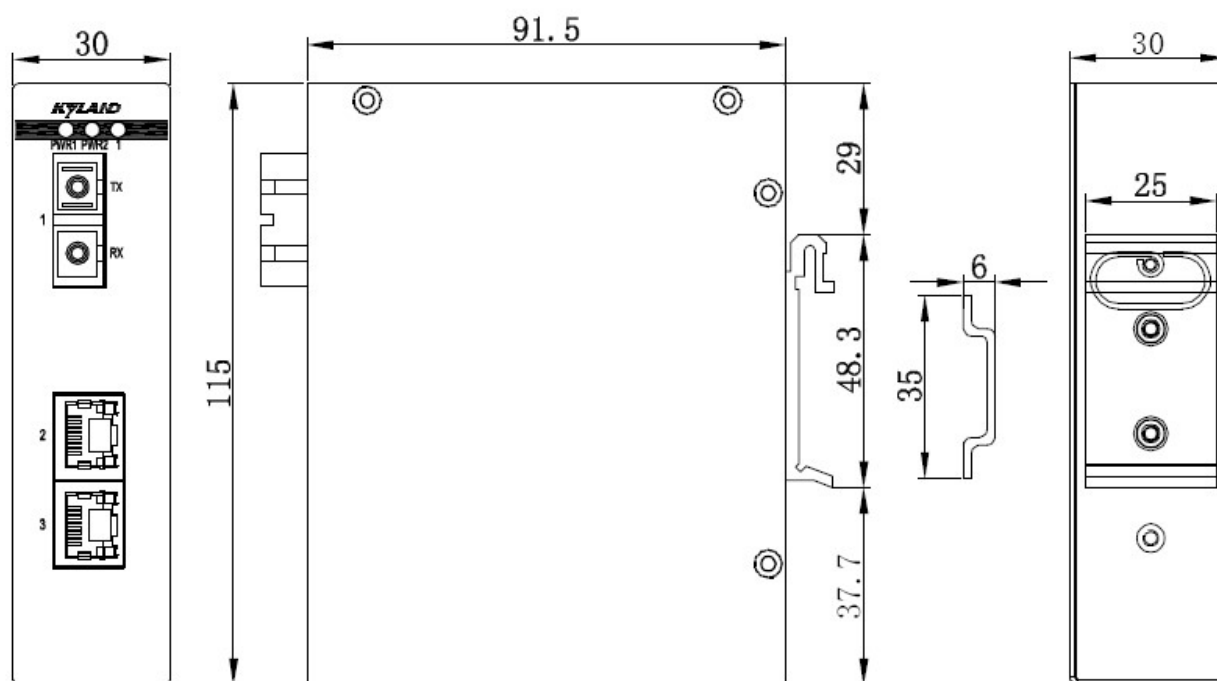
IEC61000-4-6(CS) 10V(150kHz-80MHz)

Mechanical standards

IEC60068-2-6 (Vibration)

IEC60068-2-27 (Shock)

IEC60068-2-32 (Free Fall)

Mechanical Drawing

Ordering Information

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Product Model	KOM300F-Ports-Connector-PS
Code definition	Code selection
Ports:	1M2T = 1 × 100Base-FX multi-mode port, 2 × 10/100Base-T(X) RJ45 ports 1S2T = 1 × 100Base-FX single mode port, 2 × 10/100Base-T(X) RJ45 ports
Connector:	SC05 = SC connector, multi-mode, 1310nm, 5km ST05 = ST connector, multi-mode, 1310nm, 5km SC40 = SC connector, single mode, 1310nm, 40km ST40 = ST connector, single mode, 1310nm, 40km
PS Power Supply	LV-LV = 12-48VDC(9-72VDC), dual power input

Accessories

Accessory model	Description
DT-BGAZ-01	Panel for panel mounting
DT-FCZ-RJ45-01	Dustproof cover for RJ45 port

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