# 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 3.5 watts. The KOM300F supports 1 100Base-FX fiber port and 2 10/100Base-T(X) copper ports. The KOM300F provides 9-36 VDC, 18-72VDC or 85-264VAC/77-300VDC single 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 is as low as 3.5 watts
1 100Base-FX port and 2 10/100Base-T(X) RJ45 ports
Single power inputs with wide voltage range
IP40 protection class
EMC level 3
CE, FCC certificates

## ⟫ Product Specifications

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-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: PWR

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

## -Power Requirements

24-48VDC(18-72VDC) ：3-pin 5.08mm-spacing plug-in terminal block

12-24VDC(9-36VDC) ：3-pin 5.08mm-spacing plug-in terminal block

24VDC(18-36VDC)： 3-pin 5.08mm-spacing plug-in terminal block

100-240VAC,50/60Hz;110-220VDC(85-264VAC/77-300VDC)：3-pin 7.62mm-spacing plug-in terminal block

Power Consumption <3.5W

Overload Protection Support

Reverse Connection 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
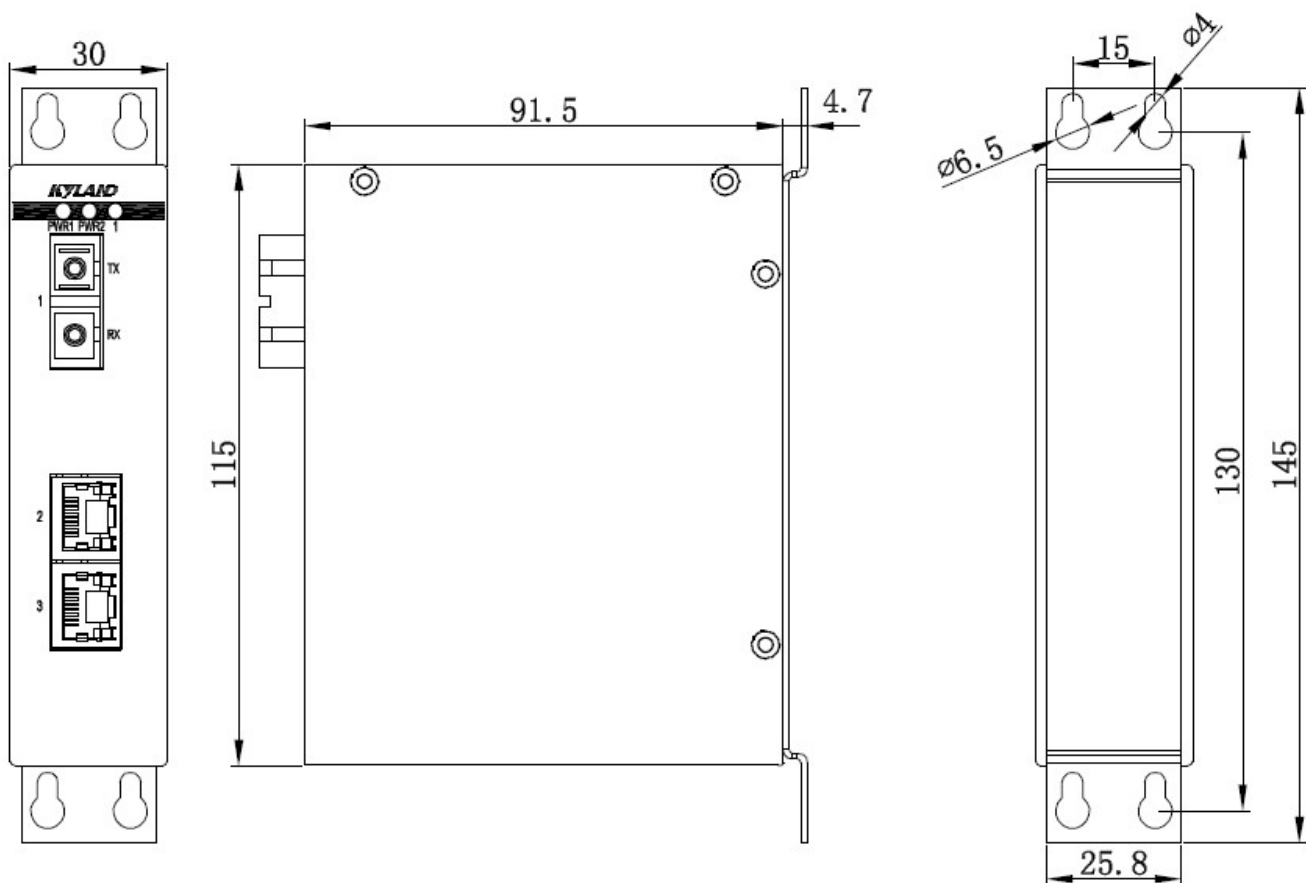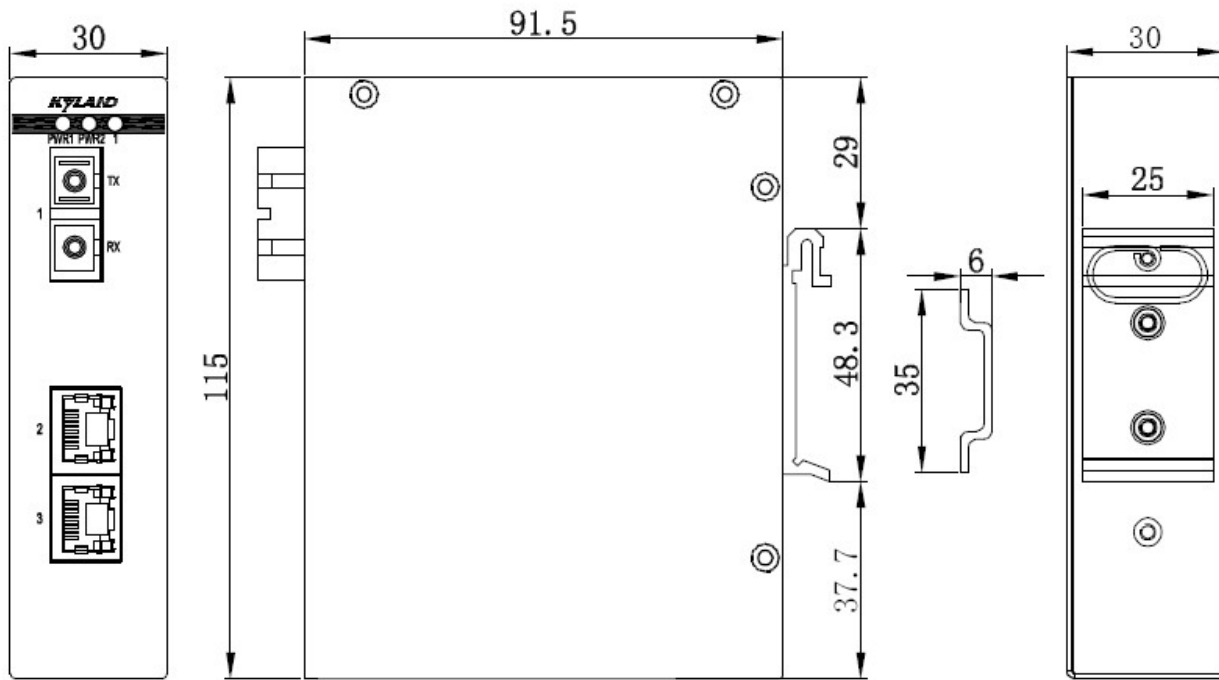
IEC61000-4-6(CS) 10V(150kHz-80MHz)

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<br>1S2T = 1 × 100Base-FX single mode port, 2 × 10/100Base-T(X) RJ45 ports |
| Connector: | SC05 = SC connector, multi-mode, 1310nm, 5km<br>ST05 = ST connector, multi-mode, 1310nm, 5km<br>FC05 = FC connector, multi-mode, 1310nm, 5km<br>SC40 = SC connector, single mode, 1310nm, 40km<br>ST40 = ST connector, single mode, 1310nm, 40km<br>FC40 = FC connector, single mode, 1310nm, 40km<br>SC60 = SC connector, single mode, 1310nm, 60km<br>SC80 = SC connector, single mode, 1550nm, 80km |
| PS<br>Power Supply | L2 = 24-48VDC(18-72VDC), single power input<br>L5 = 12-24VDC( 9-36VDC), single power input<br>L3 = 24VDC(18-36VDC), single power input<br>HV = 100-240VAC,50/60Hz;110-220VDC(85-264VAC/77-300VDC), single 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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