

KOM300A

3 port DIN-Rail copper to fiber media converters



» Overview

KOM300A industrial media convertor supports 1 fast Ethernet SFP port and 2 10/100Base-TX RJ45 ports. KOM300A provides 12-48VDC models to meet different applications. KOM300A is especially designed for harsh environments with wide (-40°C to 85°C) operating temperature range, EMC level 4, IP40 protection class, strong vibration-resistant mounting clip for DIN-Rail installation, it can be deployed in power, transportation, oil & gas and many other industrial applications.

» Key Features

- Support 1 Fast Ethernet SFP port, 2 10/100Base-T(X) ports
- Built-in isolated power supply, Full load power consumption is as low as 2.3W
- Power inputs with wide voltage range
- EMC level 4
- IP40 protection class

» Product Specifications

>Technical Specification

-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: 0.75Mpps

Switching Delay: <10 μ s

-Interface

Fast Ethernet Port:

100Base-X, SFP slot

10/100Base-T(X), RJ45 port

-LED

LEDs on Front Panel

Power LED: PWR1, PWR2

Interface LED: Link/ACT (RJ45 port); Link/ACT (Fiber port)

-Power Requirements

Power Input: 12-48VDC/18-30VAC

Power Terminal: 4-pin 5.08mm-spacing plug-in terminal block

Power Consumption: <2.3W

Overload Protection: Support

Reverse Protection: Support

Redundancy Protection: Support

-Physical Characteristics

Housing: Metal

Cooling: Natural convection, fanless

Protection Class: IP40

Dimension: 31mm \times 114.5mm \times 94mm(W \times H \times D)

Weight: 0.3Kg

Mounting: DIN-Rail or Panel Mounting

-Environmental Limits

Operating Temperature: -40°C to +85°C

Storage Temperature: -40°C to +85°C

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

-Quality Assurance

MTBF: 5777888 hrs

Warranty: 5 years

-Approvals

CE, FCC

-Industry Standard

EMI:

FCC CFR47 Part 15, EN55032/CISPR22, Class A

EMS:

IEC61000-4-2(ESD): ±8kV (contact), ±15kV (air)

IEC61000-4-3(RS): 10V/m (80MHz–2GHz)

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

IEC61000-4-5(Surge): Power Port: ±2kV/DM, ±4kV/CM; Data Port: ±2kV

IEC61000-4-6(CS): 10V (150kHz–80MHz)

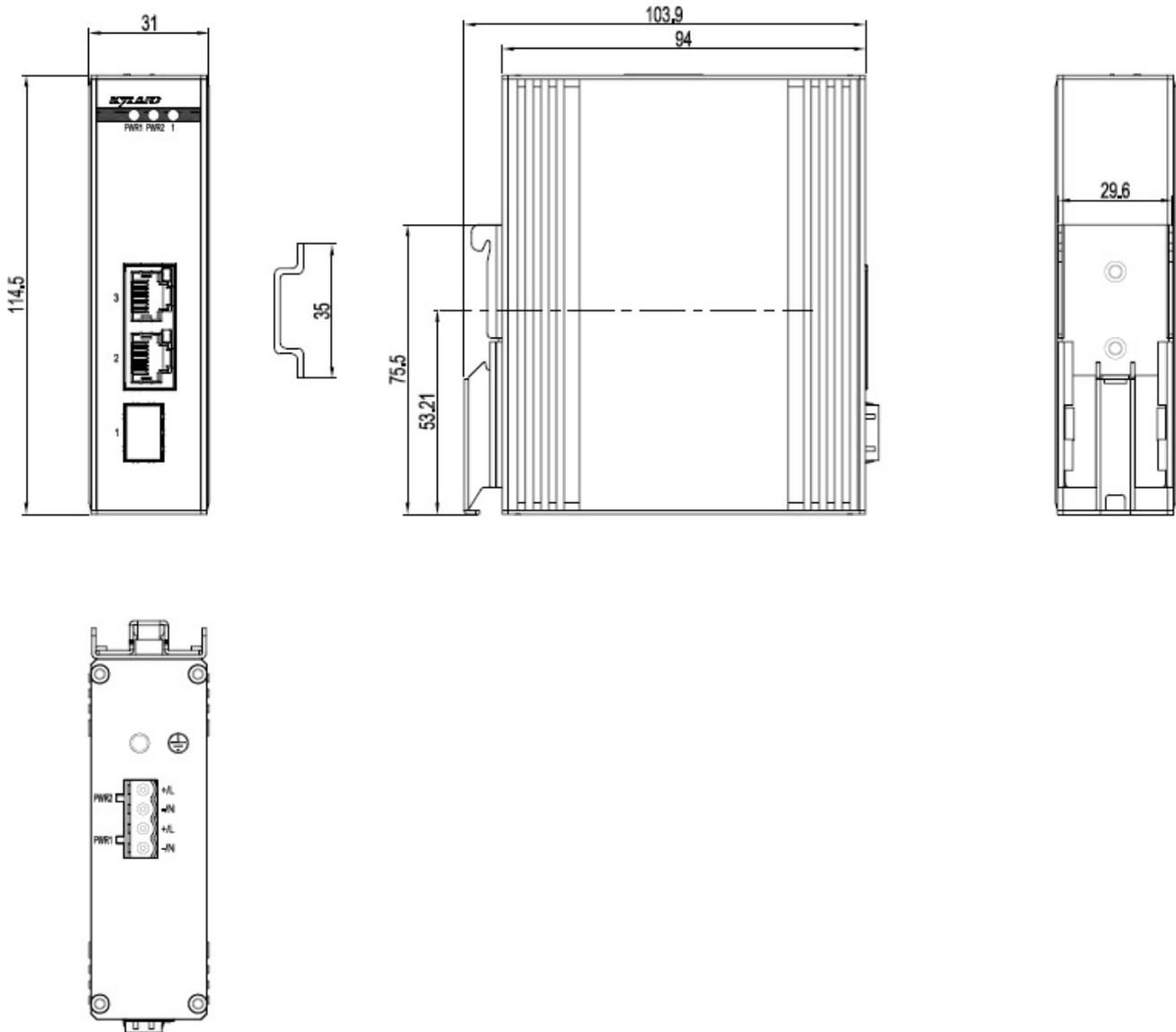
Machinery:

IEC60068-2-6 (Vibration)

IEC60068-2-27 (Shock)

IEC60068-2-32 (Free Fall)

» Mechanical Drawing



» Ordering Information

KOM300A-Ports-PS1-PS2	
Ports	
1SFP2T	1 X 100Base-X, SFP slot; 2 X 10/100Base-T(X) RJ45 ports
PS1-PS2	
LV-LV	12-48VDC/18-30VAC, redundant power inputs
Accessories	
100Base-X SFP module	Please refer to the 100Base-X SFP module ordering list
DT-BGAZ-01	Panel for Panel mounting
DT-FCZ-RJ45-01	Dustproof cover for RJ45 port

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