KOM300M

3 Port Managed Din-Rail Copper to Fiber Media Converter

- Green Ethernet solution with ultra low power consumption design, its full load power consumption is as low as 2.7 watts
- 1 100Base-FX port and 2 10/100Base-T(X) RJ45 ports
- Supports remote monitoring of device status
- Redundant power inputs with wide voltage range
- IP40 protection class
- CE, FCC, UL508, Class I,Div.2 certifications

Overview

The KOM300M is a ultra low power consumption Green industrial media convertor, its full load power consumption is as low as 2.7 watts. The KOM300M supports 1 100Base-FX fiber port and 2 10/100Base-T(X) copper ports. The KOM300M provides 9-36VDC or 18-72VDC redundant power inputs, supports DIN-Rail mounting or Panel mounting, supports IP40 protection class, supports Telnet, WEB, Kyvision management. These media convertors are specially designed for harsh industrial environments certified by UL508 and UL Class I,Div.2 certifications.

Software functions

Management and maintenance

Supports Telnet and Web management methods
Supports SNMPv1/v2c and Kyvision centralized management
Supports FTP software upgrade
Supports LLDP

Software Functions

Management & Maintenance

Standards
- 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	<10μs

Interface

Fast Ethernet Ports
- 100Base-FX, SM/MM port, FC/SC/ST connector
- 10/100Base-T(X) RJ45 port

LED

Indicators in the front panel
- Running LED: Run
- Power LED: PWR1, PWR2
- Interface LED: Link/ACT, Speed (RJ45 Ports); Link/ACT(Fiber Ports)

Power Requirements

Power Input
- 12DCW(9-36VDC),
- 24DC(18-36VDC),
- 24DCW(18-72VDC)

Power Terminal
- 5-pin 5.08mm-spacing plug-in terminal block

Power Consumption	<2.7W
Overload Protection	Support
ReverseConnection Protection	Support
Redundancy Protection	Support

Physical Characteristics

Housing	Metal
Heat Dissipation Mode	Natural cooling, without fans
Protection Class	IP40

Dimensions
- 30mm×115mm×91.5mm (1.18 in×4.53 in×3.60 in) (W×H×D)

Weight	0.46kg (1.014 lb)

Mounting
- DIN-Rail mounting or Panel mounting

Version: 2015V1.0

Environmental Limits

Operating Temperature	-40°C -+85°C (-40°F -185°F)
Storage Temperature	-40°C -+85°C (-40°F -185°F)
Ambient Relative Humidity	5 - 95% (non-condensing)

Quality Assurance

MTBF	457,840 hrs
Warranty period	5 years

Approvals

CE, FCC, UL508, Class I Div.2
For the latest dynamics of the product, visit the website of Kyland.

Industry Standard

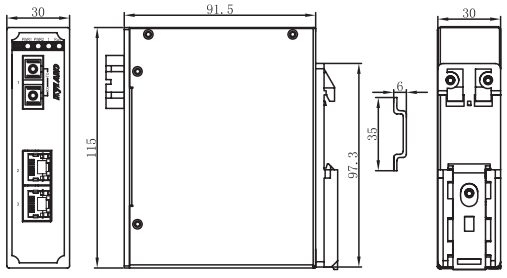
EMI
- FCC CFR47 Part 15,EN55022/CISPR22,Class A

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) 3V(10kHz-150kHz);10V(150kHz-80MHz)

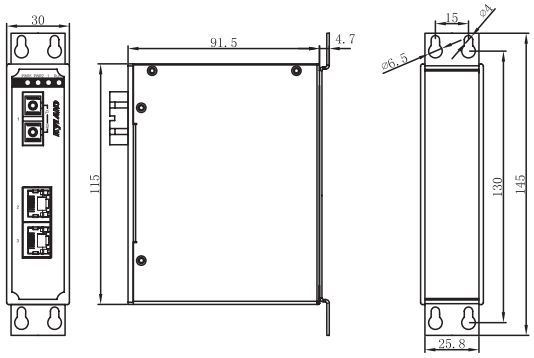
Mechanical standards
- IEC60068-2-6 (Vibration),
- IEC60068-2-27 (Shock),
- IEC60068-2-32 (Free Fall)

Mechanical Drawing

Din Rail Mounting



Panel Mounting



Ordering Information

	KOM300M-Ports-Connector-PS
Ports	
1S2T	1 100Base-FX single mode port, 2 10/100Base-T(X) RJ45 ports
1M2T	1 100Base-FX multi mode port, 2 10/100Base-T(X) RJ45 ports
Connector	**100M fiber port specifications**
SC05	SC connector, multi-mode, 1310nm, 5km
ST05	ST connector, multi-mode, 1310nm, 5km
FC05	FC connector, multi-mode, 1310nm, 5km
SC40	SC connector, single-mode, 1310nm, 40km
ST40	ST connector, single-mode, 1310nm, 40km
FC40	FC connector, single-mode, 1310nm, 40km
SC60	SC connector, single-mode, 1310nm, 60km
SC80	SC connector, single-mode, 1550nm, 80km
PS	
L2-L2	24DCW(18-72VDC),redundant power
L3-L3	24DC(18-36VDC), redundant power inputs
L5-L5	12DCW(9-36VDC),redundant power

Accessories

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