KOM200

Din-Rail Serial to Fiber Media Converter

- One fiber port, three types of serial ports (RS232/RS422/RS485)
- Transparent communication without the need of debugging, plug and play
- Serial ports have 15KV ESD protection circuit
- Serial ports support hot plugging
- Abundant power supply options
- IP30 protection class
- FCC certificates

Overview

KOM200 provides serial to fiber switching for the low-rate signals of RS232, RS485 and RS422. The KOM200 supports 1 fiber port and 3 serial ports. The KOM200 provides 9-36VDC or 85-264VAC/120-300VDC power supply, supports DIN-Rail mounting, supports IP30 protection class. Transparent communication without the need of debugging, plug and play.

Product Specifications

Technical Specifications

Standards RS232,RS422,RS485

Interface

Fiber Ports SM/MM fiber port, SC/ST/FC connector

Serial Ports

- Quantity of serial ports:
- 232/422:1 RS232,1 RS422
- 485/232:1 RS485,2 RS232
- 485/232A:1 RS485,2 RS232,The 2nd channel of RS232 and the 3rd channel of RS485 are multiplexing
- Electrical characteristic: compliant with RS232/RS422/RS485 standards, RS485 interface can be connected to 32-128 nodes
- Physical interface: 8-pin 3.81mm-spacing terminal block
- Bit Error Rate: ≤10-10
- Asynchronous rate:
  - RS232:50-115200bps;
  - RS422/RS485:50-9600bps
- Transmission Distance: RS232: 15m; RS422/RS485: 1200m

LED Indicators

Indicators in the front panel

- Running LED: Run
- Interface LED: Link/ACT(Fiber Ports), 1, 2(Serial Ports)

Power Requirements

Power Input

- 12DCW(9-36VDC),
- 24DC(18-36VDC), 220AC/DC(85-264VAC/120-300VDC)

Power Terminal

- 3-pin 3.81mm-sapcing plug-in terminal block

Power Consumption	<3W
Overload Protection	Support
Reverse Connection Protection	Support

Physical Characteristics

Housing	Metal
Heat Dissipation Mode	Natural cooling, without fans
Protection Class	IP30

Dimensions

- 36mm×100mm×75mm (1.42 in×3.94 in×2.95 in) (W×H×D)

Weight	0.3kg (0.661 lb)

Mounting

- DIN-Rail mounting or Panel mounting

Environmental Limits

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

Quality Assurance

MTBF	1,162,867 hrs
Warranty period	5 years

Approvals

FCC
For the latest dynamics of the product, visit the website of Kyland.

Industry Standard

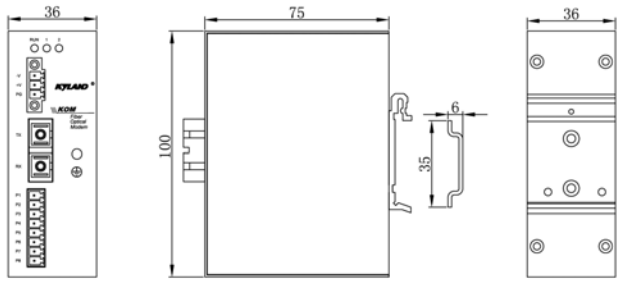
EMI
- FCC CFR47 Part 15,EN55022/CISPR22,Class A

EMS
- IEC61000-4-2(ESD) ±6kV(contact),±8kV(air)
- IEC61000-4-3(RS) 10V/m(80MHz-1GHz)
- IEC61000-4-4(EFT) Power Port:±2kV;Data Port:±1kV
- IEC61000-4-5(Surge) Power Port:±1kV/DM,±2kV/CM;Data Port:±1kV
- IEC61000-4-6(CS) 3V(10kHz-150kHz);10V(150kHz-80MHz)

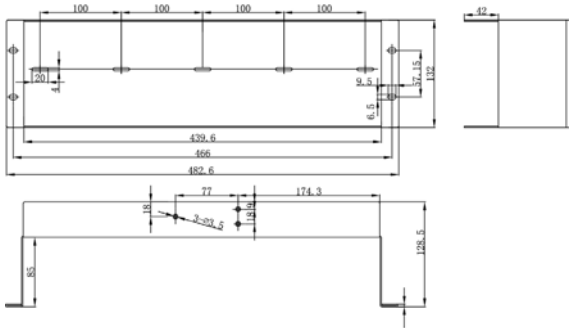
Mechanical standards
- IEC60068-2-6 (Vibration),
- IEC60068-2-27 (Shock),
- IEC60068-2-32 (Free Fall)

Mechanical Drawing

Din Rail Mounting



Panel Mounting



Ordering Information

	KOM200-Ports-Connector-Serial-PS
Ports	
1S	1 single mode fiber port
1M	1 multi mode fiber port
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
Serial	
232/422	1 RS232 serial port, 1 RS422 serial port
485/232	2 RS232 serial ports, 1 RS485 serial port
485/232A	2 RS232 serial ports, 1 RS485 serial port (The 2nd channel of RS232 and the 3rd channel of RS485 are multiplexing)
PS	
H1	220AC/DC(85-264VAC/120-300VDC), single power input
L3	24DC(18-36VDC), single power input
L5	12DCW(9-36VDC), single power input

Accessories

Accessory model	Description
KOMFrm	KOM Panel for rack mounting -482.6mm×132mm×128.5mm