KOM200
Din-Rail Serial to Fiber Media Converters

>> 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 single power input, supports DIN-Rail mounting, supports IP30 protection class. Transparent communication without the need of debugging, plug and play.

>> Key Features

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

>> Product Specifications

>Product Specifications
-Standard

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 in the front panel

Running LED: Run

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

-Power Requirements

Power Input:

100-240VAC,50/60Hz;220VDC(85-264VAC/120-300VDC)

24VDC(18-36VDC)

12-24VDC(9-36VDC)

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(W×H×D)

Weight: 0.3kg

Mounting: DIN-Rail 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: 1,162,867 hrs

Warranty: 5 years

-Approvals

FCC: Models with L5:12-24VDC

-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
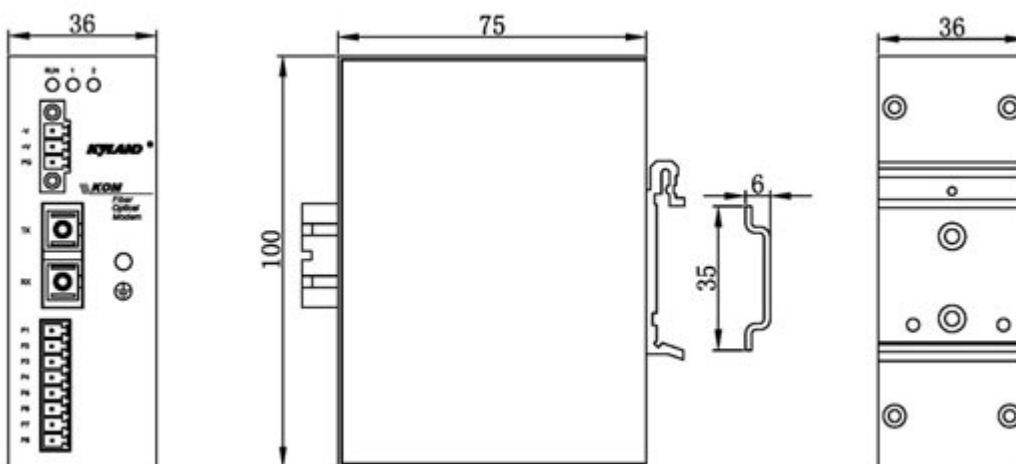
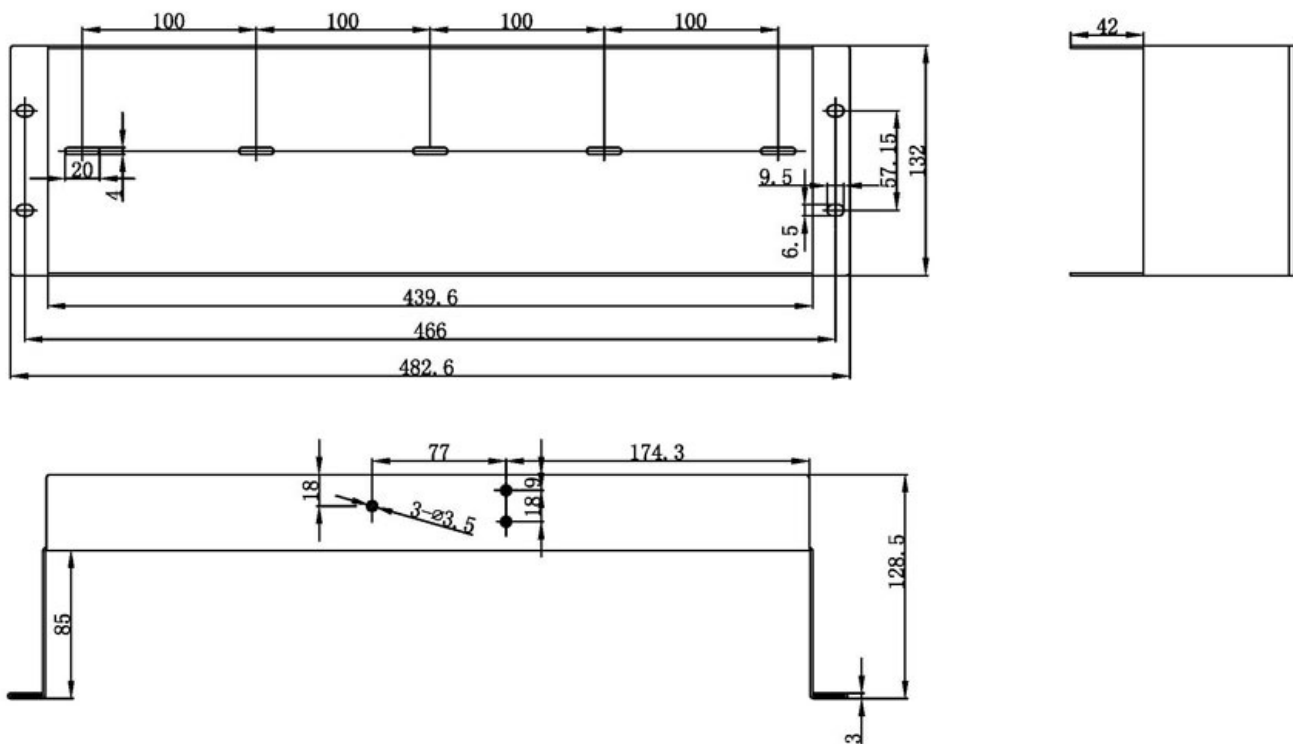IEC61000-4-6(CS) 3V(10kHz-150kHz);10V(150kHz-80MHz)

Mechanical standards:

IEC60068-2-6 (Vibration),

IEC60068-2-27 (Shock),

IEC60068-2-32 (Free Fall)

⟫ Mechanical Drawing

KOMFrm

Ordering Information

KOM200-Ports-Connector-Serial-PS

Ports

1S	1 × single mode fiber port
1M	1 × multi mode fiber port

Connector	**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	100-240VAC,50/60Hz;220VDC(85-264VAC/120-300VDC), single power input
L3	24VDC(18-36VDC), single power input
L5	12-24VDC(9-36VDC), single power input

Accessories

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