



KOM200

Industrial Serial to Fiber
Media Converter

CE, FCC, RoHS,
Chinese State
Grid Certification

Overview

KOM200 provides optoelectronic switching for the low-rate signals of RS232, RS485 and RS422. It is specially designed for harsh industrial environment that has special requirements on electromagnetic immunity.

Features

1. Supports 1 fiber port, RS232/RS422/RS485 serial ports
2. Transparent transmission, plug and play
3. Serial port supports 15KV ESD protection circuit
4. Serial port supports hot swappable
5. Abundant power supply options
6. Operating temperature: -40 to 85°C (-40 to 185°F)
7. DIN-Rail, wall mounting, or rack-mounting through bracket
8. IP30 protection class

Technical Specifications

Standard

Compliant with RS232/RS422/RS485 standard

Interface

Fiber Port: one fiber port, FC/SC/ST

Serial Ports: 3 serial ports (RS232/RS422/RS485), 8-pin 3.81mm-spacing terminal block, RS485 interface can be connected to 32-128 nodes

LED Indicators: RUN, DATA (1, 2)

Network

Chain network topology

Cable

Serial Cable: RS232, 15m; RS422/485, 1200m

Multi Mode Fiber: 1310nm, 0-5km

Single Mode Fiber: 1310nm, 0-40km; 1550nm, 0-80km

Power Requirements

Power input: 24VDC (9-36VDC), 48VDC (36-72VDC), 110VDC (72-144VDC), 110VAC/220VAC/220VDC (85-265VAC/120-370VDC), single power input

Power terminal: 3-Pin 3.81mm-spacing plug-in terminal block

Power consumption: <3W

Physical Characteristics

Protection class: IP30 (fanless)

Installation: DIN-Rail, wall mounting, or rack-mounting through bracket

Dimensions (WxHxD): 36x100x75mm (1.42x3.94x2.95 in.)

Weight: 0.3kg (0.661pound)

Environmental Limits

Operating Temperature: -40 to 85°C (-40 to 185°F)

Storage Temperature: -40 to 85°C (-40 to 185°F)

Ambient Relative Humidity: 0 to 95% (non-condensing)

Approvals

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

IEC61000-4-3 (RS): 10V/M (80-1000MHz)

IEC61000-4-4 (EFT): power line ±4KV, data line ±2KV

IEC61000-4-5 (Surge): power line ±4KV CM/±2KV DM, data line ±2KV

IEC61000-4-6 (CS): 3V (10KHZ-150KHZ), 10V (150KHZ-80MHz)

IEC61000-4-8 (Power frequency magnetic field): 100A/m cont. 1000A/m, 1s to 3s

IEC61000-4-12/18 (Damped oscillatory wave): 2.5KV CM, 1KV DM

IEC61000-4-10 (Damped oscillatory): 30A/m

IEC61000-4-16 (Common mode conduct): 30V cont. 300V, 1s

FCC CFR47 Part 15/EN55022: Class A&B

IEC61000-6-2 (Industrial Standards), IEC61850-3 (Substations),

IEEE1613 (Electric Power Substations), EN50121-4 (Railway Applications)

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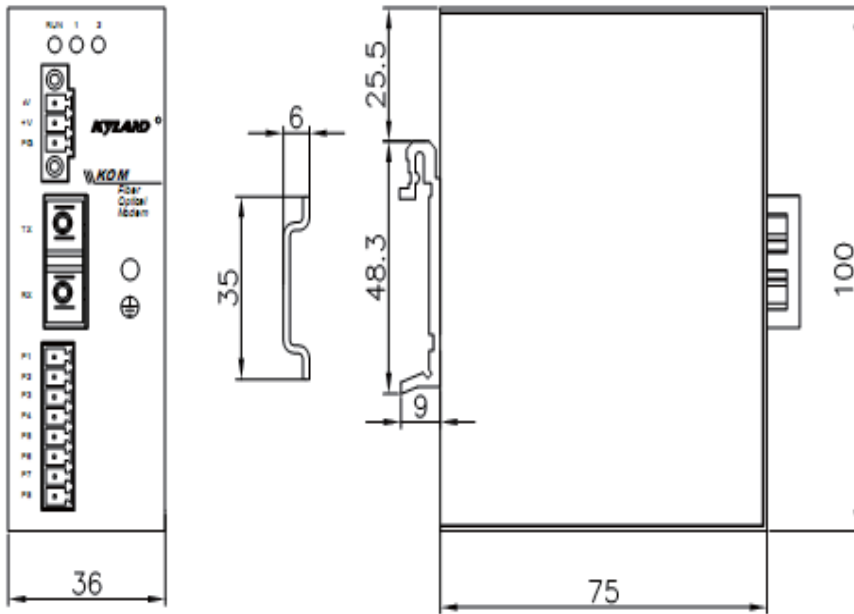
MTBF

35 years

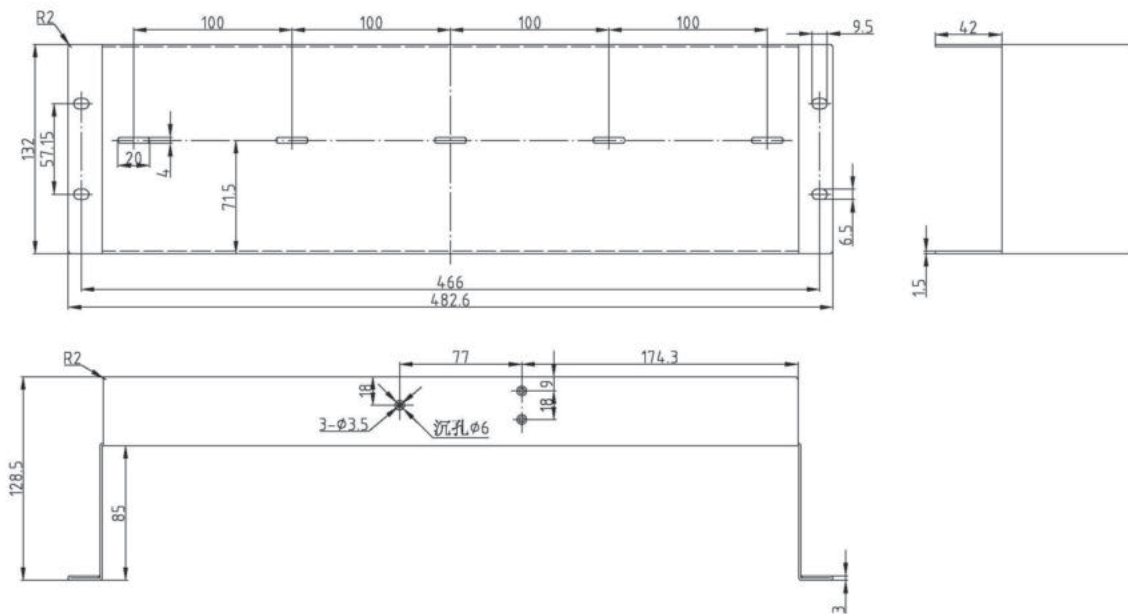
Warranty

5 years

Mechanical Drawing



KOM200



KOMFrm: 19 inch rack bracket

Ordering Information

Model	Description
KOM200-S-232/422	Industrial RS232/422 to 100Base-FX media converter with 1 pair of fiber ports, single mode, 1 RS232 serial port, 1 RS422 serial port, DIN-Rail, wall mounting or rack mounting through bracket, 24VDC (9-36VDC), 48VDC (36-72VDC), 110VDC (72-144VDC), 110VAC/220VAC/220VDC(85-265VAC/120-370VDC), single power input, -40 to 85°C operating temperature
KOM200-M-232/422	Industrial RS232/422 to 100Base-FX media converter with 1 pair of fiber ports, multi mode, 1 RS232 serial port, 1 RS422 serial port, DIN-Rail, wall mounting or rack mounting through bracket, 24VDC (9-36VDC), 48VDC (36-72VDC), 110VDC (72-144VDC), 110VAC/220VAC/220VDC(85-265VAC/120-370VDC), single power input, -40 to 85°C operating temperature
KOM200-S-485/232	Industrial RS485/232 to 100Base-FX media converter with 1 pair of fiber ports, single mode, 2 RS232 serial ports, 1 RS485 serial port, DIN-Rail, wall mounting or rack mounting through bracket, 24VDC (9-36VDC), 48VDC (36-72VDC), 110VDC (72-144VDC), 110VAC/220VAC/220VDC(85-265VAC/120-370VDC), single power input, -40 to 85°C operating temperature
KOM200-M-485/232	Industrial RS485/232 to 100Base-FX media converter with 1 pair of fiber ports, multi mode, 2 RS232 serial ports, 1 RS485 serial port, DIN-Rail, wall mounting or rack mounting through bracket, 24VDC (9-36VDC), 48VDC (36-72VDC), 110VDC (72-144VDC), 110VAC/220VAC/220VDC(85-265VAC/120-370VDC), single power input, -40 to 85°C operating temperature
KOM200-S-485/232A	Industrial RS485/232 to 100Base-FX media converter with 1 pair of fiber ports, single mode, 2 RS232 serial ports, 1 RS485 serial port, multiplex channel for serial port No.2 and 3, DIN-Rail, wall mounting or rack mounting through bracket, 24VDC (9-36VDC), 48VDC (36-72VDC), 110VDC (72-144VDC), 110VAC/220VAC/220VDC(85-265VAC/120-370VDC), single power input, -40 to 85°C operating temperature
KOM200-M-485/232A	Industrial RS485/232 to 100Base-FX media converter with 1 pair of fiber ports, multi mode, 2 RS232 serial ports, 1 RS485 serial port, multiplex channel for serial port No.2 and 3, DIN-Rail, wall mounting or rack mounting through bracket, 24VDC (9-36VDC), 48VDC (36-72VDC), 110VDC (72-144VDC), 110VAC/220VAC/220VDC(85-265VAC/120-370VDC), single power input, -40 to 85°C operating temperature
KOM200A-S-232	Industrial RS232 to 100Base-FX media converter with 1 pair of fiber ports, single mode, 1 RS232 serial port, be able to connected with other standard RS232 fiber port, DIN-Rail, wall mounting or rack mounting through bracket, 24VDC (9-36VDC), 48VDC (36-72VDC), 110VDC (72-144VDC), 110VAC/220VAC/220VDC(85-265VAC/120-370VDC), single power input, -40 to 85°C operating temperature
KOM200A-M-232	Industrial RS232 to 100Base-FX media converter with 1 pair of fiber ports, multi mode, 1 RS232 serial port, be able to connected with other standard RS232 fiber port, DIN-Rail, wall mounting or rack mounting through bracket, 24VDC (9-36VDC), 48VDC (36-72VDC), 110VDC (72-144VDC), 110VAC/220VAC/220VDC(85-265VAC/120-370VDC), single power input, -40 to 85°C operating temperature
Accessories	
KOMFrm	Bracket for rack mounting: 482.6x132x128.5mm

Power supply: 24VDC, 48VDC, 110VDC, 110VAC/220VAC/220VDC, single power input

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