



KOM200 Industrial Serial to Fiber Media Converter

CE, FCC, UL, RoHS

Overview

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

Features

- Operating temperature: -40 to 75°C (-40 to 167°F)
- Able to form single optical fiber network
- Serial port supports hot-swapping function
- IP30 protection class
- DIN-Rail or Rack-Mounting
- FCC/CE/UL/ROHS

Cross Channel Function

KOM200-S-485/232A products are able to compound the 2nd and the 3rd serial ports (cross the channel). That's to say, the 2nd RS232 port gets the same data as the 3rd RS485 port does.

Technical Specifications

Standard

Support RS232/422/485/V.24 standard

Interface

1 fiber port
3 serial ports (RS232/422/485)
RS485 interface can be connected to 32~128 nodes

Network

Star and chain network topology.

Power Requirements

Power input: 24VDC (12~30VDC), 110VDC, 220VDC/AC
Power consumption: <3W

Physical Characteristics

Casing: IP30
Fanless design
Dimensions(WxHxD): 36x100x75 mm (1.42x3.94x2.95 in.)
Installation: DIN-Rail mounting or fixed on rack

Environmental Limits

Operating Temperature: -40 to 75°C (-40 to 167°F)
Storage Temperature: -45 to 85°C (-49 to 185°F)
Ambient Relative Humidity: 0 to 95% (non-condensing)

Approvals

IEC61000-4-2(ESD): ±4kv contact discharge, ±8kv air discharge
IEC61000-4-3(RS): 10V/M (80-1000MHz)
IEC61000-4-4(EFT): ±2kv power line, ±1kv data line
IEC61000-4-5(Surge): ±2kv (line/earth), ±1kv (line/line) power line, ±1kv data line
IEC61000-4-6(CS): 3V (10kHz~150kHz), 10V (150kHz~80kHz)
FCC CFR47 Part 15: FCC CFR47 Part 15 Class A
EN55022: EN55022 Class A
UL60950, CE, FCC, ROHS

MTBF

35 years

Warranty

5 Years

Ordering Information

Model	Description
KOM200-S-V.24	one SM fiber port, one V.24 serial port
KOM200-M-V.24	one MM fiber port, one V.24 serial port
KOM200-S-232/422	one SM fiber port, one RS232 serial port, one RS422 serial port
KOM200-M-232/422	one MM fiber port, one RS232 serial port, one RS422 serial port
KOM200-S-485/232	one SM fiber port, one RS232 serial port, one RS485 serial port
KOM200-M-485/232	one MM fiber port, one RS232 serial port, one RS485 serial port
KOM200-S-485/232A	one SM fiber port, one RS232 serial port, one RS485 serial port (the 2nd and the 3rd serial ports complex)
KOM200-M-485/232A	one MM fiber port, one RS232 serial port, one RS485 serial port (the 2nd and the 3rd serial ports complex)
KOMFrm	rack supporting plate