

# KSC-200



## ***Industrial Optically Isolated Serial RS-232 to Fiber Converters***

### **Product Highlights:**

- Transparent conversion
- Surge protection
- High ESD protection
- Optical isolation
- Versatile optical cables support
- DIN-Rail mounting
- Wide temperature range
- Wide power voltage range

DIN-Rail Mounting  
KC-4DR



Panel Mounting Bracket  
PMB-400



The converter is designed to provide the most versatile connection possible between 2 RS-232 serial equipment using fiber optic cable. It allows any two pieces of serial equipment to communicate full-duplex over typical duplex fibers, or over optional single fiber up to 20km. The converter supports transparent conversion for not only RS-232 data lines, but also all RS-232 control signals. It also supports all RS-232 baud rates with no need for user configuration. The DIN-Rail mountable design makes it ideal for industrial cabinets and enclosures. Further, more designs such as signal protection, wide operating temperature range, wide power voltage range are also provided to suit for more industrial applications.

### **Key Features:**

- Transparent conversion for all RS-232 signals
- Supports RS-232 baud rate higher than 115.2Kbps
- Auto adaptation and conversion to any RS-232 baud received
- Operation with no required configuration
- Extending all RS-232 signals over long optical cables
- Supports versatile optical cables:
  - ST/SC multimode duplex fibers
  - SC single mode duplex fibers
  - SC single mode single fiber
- Provides surge protection (transient voltage) on RS-232 signals
- Provides high ESD protection on RS-232 signals
- Provides optical isolation between RS-232 and main circuitry
- Designed for industrial environments with:
  - RS-232 surge, ESD, and isolation protection
  - DIN-Rail and panel mounting support
  - Wide power voltage range support
  - Terminal block and Jack-type power connectors
  - Wide operating temperature range
  - Alarm relay output for device power failure
  - Industrial-rated emission and immunity performance

### **Specifications:**

#### **RS-232 Interface**

Connector	DB9 Female
Pin Assignments	DCE
Signals	TxD, RxD, RTS, CTS, DTR, DSR, DCD, RI, GND
Data Rate	0 ~ 115.2Kbps
Surge Protection	Transient Overvoltage outside +/-28V
Line ESD Protection	+/-15kV
Isolation	Optical isolation between RS-232 and main circuit, 3000 VDC rms Far End Fault support

