

## IRF-631

### RS-232 to Fiber Converter, Slim Aluminum Case

#### Description

The IRF-631 converter is a solid solution for applications that require a reliable link between remote terminals and host computers. The unit offers cost-efficiency to transmit RS-232 signals over optical fiber in variable distances of 2km (multi-mode) and 120km (long-haul single-mode fiber). Together with its simple-to-setup and install characteristics, the converter makes it easy to combine the advantages of fiber technology within an RS-232 serial-based Network.

By facilitating the integration of the existing serial with newer fiber-optic cabling, the IRF-631 represents a cost-effective solution for network administrators eager to keep costs down while upgrading. The converter is ideal for connecting datacommunication devices situated in manufacturing-intensive environments where electromagnetic and radiofrequency interference is a major concern. Data integrity is also assured because the characteristics of fiberoptic cables make any break in transmission integrity immediately detectable.

#### Features

- Complies with EIA/TIA-232 & 574 standards
- Supports asynchronous data transfer rate of up to 115.2 kbps
- Supports full duplex or half-duplex asynchronous data transmission
- Available with ST/SC connector for Multi-mode or SC connector for Single Mode
- LED status indicators for system monitoring
- Push-button switch to select DTE & DCE
- Extends distance of up to 2km (6600 feet) multimode fiber and 120km (396000 feet) long-haul single mode fiber
- LEDs for at-a-glance device status
- Suitable for industrial harsh environment
- Wide voltage range (9 ~ 32V DC)
- FCC Class A & CE approved

#### Specifications

<b>Standards</b>	EIA/TIA-232, EIA/TIA-574 & CCITT V.28
<b>Ports</b>	1 x serial RS-232 (DB-9 Male) 1 x Fiber (ST/SC; Multi-mode / Single-mode)
<b>Data Rates</b>	Serial: max. 115.2 kbps (asynchronous)
<b>Unit LEDs</b>	PWR: Illuminated green for normal operation LNK: Illuminated green when fiber is properly connected
<b>Max Distances</b>	Copper: 15m Fiber: Up to 120km (single-mode)
<b>Power</b>	Power Input: 9~32V DC

<b>Temperature</b>	Operating Temperature 0°C to 50°C Storage Temperature -20°C to 80°C
<b>Humidity</b>	Operating Humidity 10% to 80% RH Storage Humidity 5% to 90%RH
<b>Dimension</b>	109.2x 90x 31.5mm (D x W x H)
<b>Weight</b>	280g
<b>Ordering Information</b>	<b>IRF-631MT/MC</b> RS-232 to Multi-mode Fiber Converter (ST/SC Connector) <b>IRF-631SC-30/60/100/120</b> RS-232 to Single-mode Fiber Converter (SC Connector, 30/60/100/120km)

\*Specifications subject to change without notice.

#### Applications

