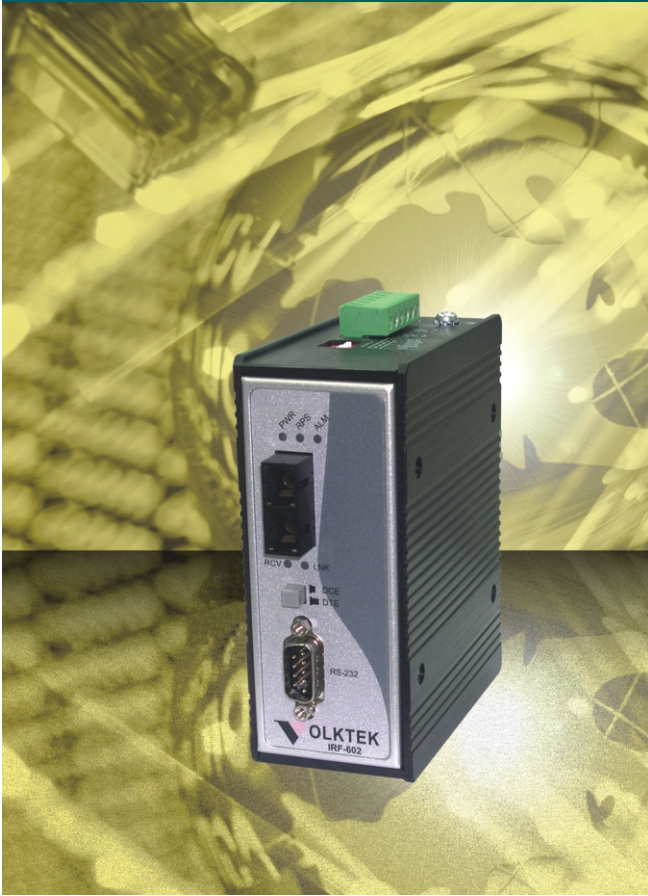


## IRF-602 : RS-232 to Fiber Converter



### Product Introduction & Benefits

The IRF-602 media converter is a solid solution for applications that require a reliable link between remote terminals and host computers. The unit offers cost-efficiency for extending to distances ranging from 2km (multi-mode) to 120km (single-mode). Together with its simple-to-setup-and-install characteristics, the converter makes it easy to combine the advantages of fiber technology with an RS-232 copper-based network.

By facilitating the integration of the existing copper cabling with newer fiber-optic cabling, the IRF-602 represents a cost-effective solution for network administrators eager to keep costs down when upgrading. The converter is ideal for connecting data communication devices situated in manufacturing-intensive environments where electromagnetic and radio-frequency interference is a major concern. Data integrity is also assured due to the characteristics of fiber-optic cable that make any transmission leakage detectable.



### Main Features:

- Complies with EIA/TIA-232, EIA/TIA- 574 & CCITT V.28 standard
- Supports asynchronous data transfer rate of up to 115.2 kbps
- DTE, DCE push-button setting
- Relay output for power failure & link down
- LED status indicators for power (PWR), link (LNK) and receive (RCV)
- Available ST/SC connectors
- Rugged, hardened case and industrial-grade components able to withstand extreme vibration/shock
- Redundant dual DC power inputs with Terminal Block
- FCC Class A & CE approved

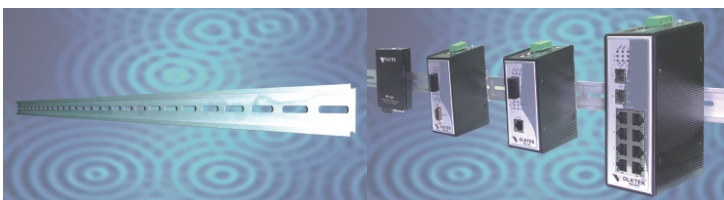
### Ordering Information:

#### **IRF-602MT/MC:**

RS-232 to Multi-mode Fiber Converter (ST/SC Connector)

#### **IRF-602SC-30/60/100/120:**

RS-232 to Single-mode Fiber Converter (SC Connector, 30/60/100/120km)



## Specifications:

### Standards:

EIA/TIA-232, EIA/TIA- 574 & CCITT V.28

### Ports:

1 x serial RS-232 (DB-9, Male)

1 x Fiber (ST/SC ; Multi-mode / Single-mode)

### Max. Distance:

Copper: 15 meters.

Fiber: Up to 120km (single-mode)

### Data Rates:

Serial: 115.2 kbps (asynchronous)

### Signals:

RS-232: TxD, RxD, GND

### Unit LED:

PWR: Green Illuminated for normal operation

LNK: Green Illuminated when receiving link pulse from compliant deviae

RCV: Amber Illuminated when receiving packets from DTE or DCE

### Power:

Power Input: 9~48V DC / 1A

### Temperature:

Operating: 0°C to 70°C

Storage: -20°C to 80°C

### Humidity:

Operating: 10% to 80%, non-condensing

Storage: 5% to 90%, non-condensing

### Emissions:

FCC Part 15 of Class A & CE approved

### Weight:

450g

### Dimensions:

100 x 50 x 120mm (D x W x H)

