

## IRF-634 : RS-232/422/485 to 100Base-FX Device Server



### Product Introduction & Benefits

Designed to enable serial devices such as CNCs and PLCs to connect to a Fast Ethernet network, the IRF-634 media converter represents a robust connectivity solution. The converter features complete Fast Ethernet and TCP/IP network support that allows industrial devices with RS-232/422/485 connectors – such as milling machines, measurement instruments and robots – to connect to LAN-based automation. Other devices typically found on campus networks – such as card readers, code readers, lab equipment, medical equipment, and other similar serial devices – can now instantly migrate to TCP/IP networks.

For easy implementation, the IRF-634 facilitates straightforward "plug-and-go" operation. Its compact form translates into installation flexibility – it is very suitable as a standalone (desktop, wall-mounted) or as a module within a converter chassis, or on a DIN Rail.



### Main Features:

- VOLKTEK Nebility and Webility with Virtual COM (HP Open View and IBM/Tivoli NetView compatible)
- Managed via CLI, Telnet, RS-232 Console, and Menu-driven interfaces
- Distributed and scalable solution with a virtual COM port utility to manage 256 serial devices remotely
- Complies with EIA/TIA-232, EIA/TIA- 574, IEEE 802.3u (100Base-FX)
- Supports 4-wire full-duplex asynchronous serial data transmission (RS-422/485)
- Supports 2-wire half-duplex asynchronous serial data transmission (RS-485)
- Extends distances to up to 1.2 km (24 AWG) using RS-422/485
- Supports serial-port asynchronous data rates of up to 115.2Kbps
- Fiber port with choice of ST, SC connectors
- 3-in-1 RS-232/422/485 serial interfaces
- External power supply
- Chassis compliant (internal power supply)
- FCC Class A & CE approved

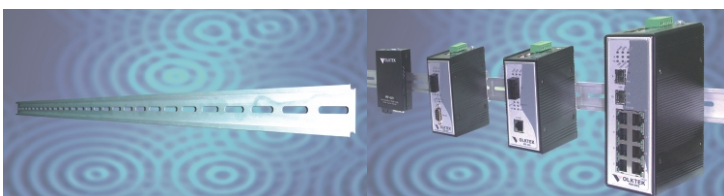
### Ordering Information:

#### **IRF-634MT/MC:**

RS-232/422/485 to 100Base-FX Multi-mode Device Server (ST/SC Connector)

#### **IRF-634SC-30/60/100/120:**

RS-232/422/485 to 100Base-FX Single-mode Device Server (SC Connector, 30/60/100/120km)



## Specifications:

### Standards:

IEEE 802.3	(10Base-T)
IEEE 802.3u	(100Base-FX)
EIA/TIA-232/422/485	
EIA/TIA-574	

### Ports:

1x 100Base-FX Fiber (SC/ST; single-mode/multi-mode)  
1 x Serial (RS-232/422/485) 9-pin, D-sub, Male

### Max. Distance:

Fiber: 2km (multi-mode)  
Up to 120km (single-mode)  
Serial: 15 meters (RS-232); 1,200 meters (RS-422, RS-485)

### Data Rates

Serial: 115.2 kbps (asynchronous)

### Signals:

RS-232: TxD, RxD, CTS, RTS, DTR, DSR, RI, DCD, GND  
RS-422: TxD+/-, RxD+/-, GND  
RS-485: Data+/-, GND

### DIP Switches:

DIP1 Enables / disables console / data communication mode  
DIP2 Enables / disables RS-232  
DIP3 Enables / disables RS-422/485 (4-wire)  
DIP4 Enables / disables RS-485 (2-wire)  
DIP7 Enables / disables termination (TMR)

### Configuration:

Parity: None, even, odd  
Data Bits: 7,8  
Stop Bits: 1,2 (Non-parity Only)

### Power:

Power Input: 9~32V DC/800mA external power adapter  
Frequency: 50Hz to 60Hz

### Temperature:

Operating: 0 °C to 50 °C  
Storage: -20 °C to 80 °C

### Humidity:

Operating 10% to 80%, non-condensing  
Storage 5% to 90%, non-condensing

### Emissions:

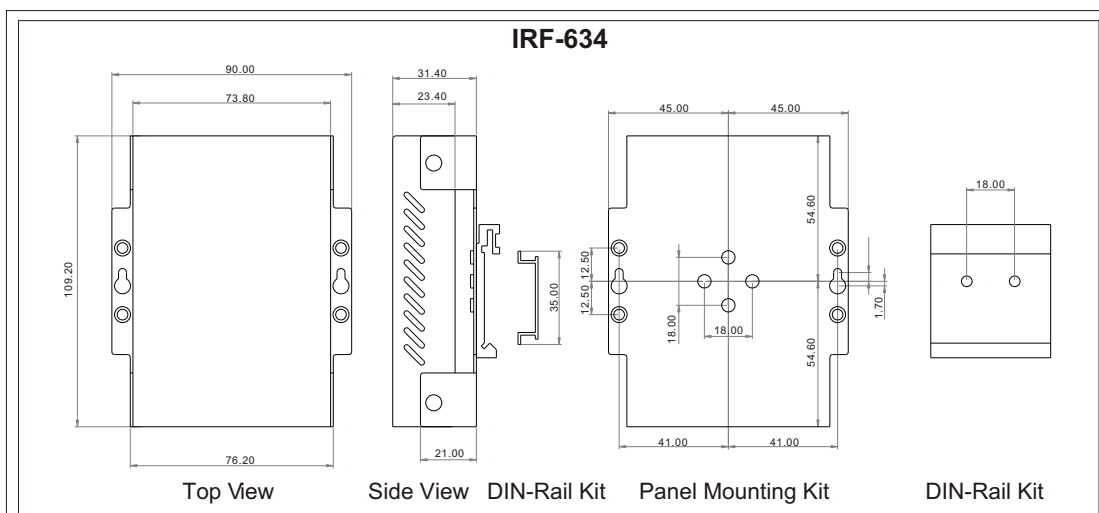
FCC Part 15 of Class A & CE approved

### Weight:

280g

### Dimensions:

109.2 x 90 x 31.5mm (D x W x H)



Unit=mm