

## IRF-611 : RS-422/485 to 100Base-FX Device Server



### Product Introduction & Benefits

The innovative design of VOLKTEK device servers deliver a fully transparent connection without any need for modification to the existing software or hardware components in your applications.

Designed to enable serial devices such as CNCs and PLCs to connect to a Fast Ethernet network, the IRF-611 device server represents a robust connectivity solution. This device server features complete Fast Ethernet and TCP/IP network support that allows industrial devices with RS-422/485 connectors – such as milling machines, measurement instruments and robots – to connect to LAN-based automation. 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.



### Main Features:

- VOLKTEK Nebility and Webility with Virtual Com (HP Open View and IBM/Tivoli NetView compatible)
- Remote Management
- Complies with EIA/TIA-232, EIA/TIA- 574, IEEE 802.3u (100Base-FX)
- Distributed and scalable solution with a virtual COM port utility to manage 256 serial devices remotely
- Relay output for power failure & link down
- Extended distances of up to 1.2km (24 AWG) using RS-422/485
- Supports serial-port asynchronous data rates of up to 115.2 Kbps
- Fiber port with choice of 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

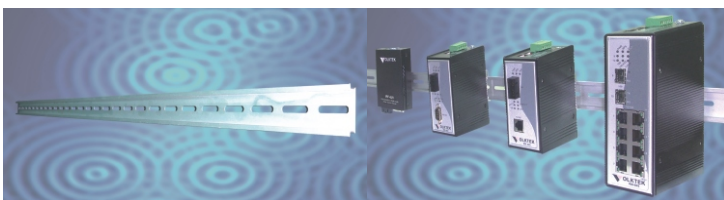
### Ordering Information:

#### **IRF-611MT/MC:**

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

#### **IRF-611SC-30/60/100/120:**

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



## Specifications:

### Standards:

IEEE 802.3u 100Base-FX  
EIA/TIA-422/485; EIA/TIA-574

### Ports:

1x 100Base-FX Fiber  
1 x serial port (RS-422/485) Terminal Block

### Max. Distance:

Fiber: Up to 120km Single-mode  
Serial: 1,200 meters (RS-422, RS-485)

### Data Rates

Fiber: 100 Mbps  
Serial: 115.2 kbps (asynchronous)

### Signals:

RS-422: TxD+/-, RxD+/-, GND  
RS-485: Data+/-, GND

### DIP Switches:

DIP1 PWR - Enable / disable normal power alarm  
DIP2 RPS - Enable / disable redundant power alarm  
DIP3 FIBER - Enable / disable fiber link alarm  
DIP7 ON: RS-485 2 wires : OFF: RS-422/485 4 wires  
DIP8 RS-422/485 terminator (Default OFF)

### Configuration:

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

### 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:

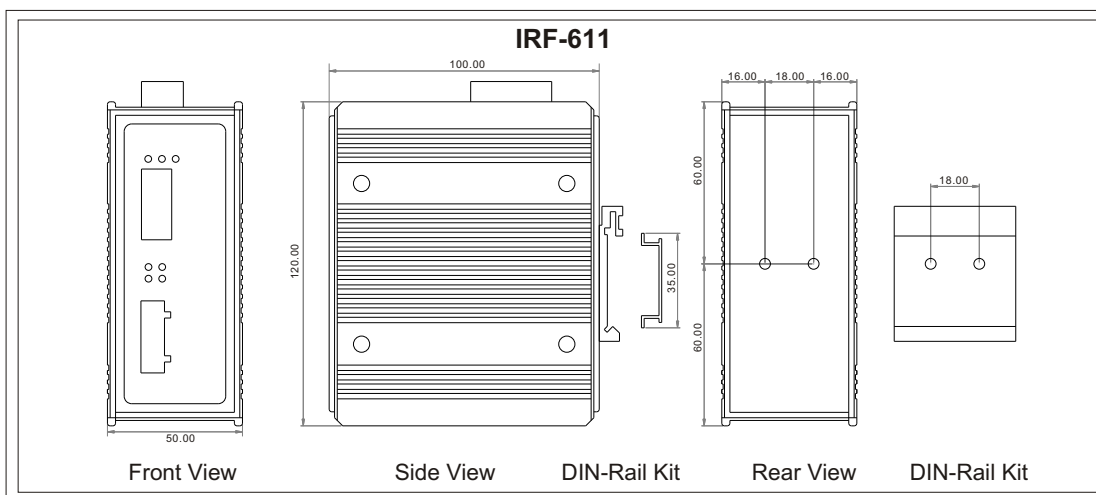
FCC Part 15 of Class A & CE approved

### Weight:

450g

### Dimensions:

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



Unit=mm