

IRF-633 : RS-232/422/485 to 10/100Base-TX Device Server



Product Introduction & Benefits

Featuring a standard 9-pin serial port and an RJ-45-type 10/100 Mbps Ethernet port, the IRF-633 media converter becomes a perfect solution when integrating an asynchronous device to a TCP/IP-based Ethernet network. By deploying the IRF-633, users can retain investments made in legacy serial devices. Simply use the rear-panel DIP switches to activate several connectivity modes – such as a terminating resistor or console mode – and the IRF-633 quickly incorporates the serial device into the existing Ethernet network.

By simplifying the integration of the existing asynchronous serial devices – such as PLCs and SCADAs – within an Ethernet network, the IRF-633 represents a cost-effective solution for network administrators eager to keep device-replacement costs to a minimum. The design of the IRF-633 allows for straight-forward "plug-and-go" operation. Additionally, the compact form of the device translates into installation flexibility – it is suitable as a standalone (desktop, wall-mounted) or as a module within a converter chassis or on a DIN Rail.



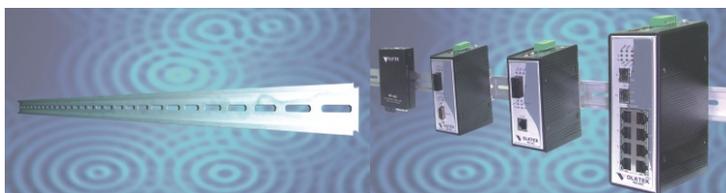
Main Features:

- 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 802.3 (10Base-T), IEEE 802.3u (100Base-TX)
- 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 up to 115.2 Kbps
- Auto-detecting 10/100 Mbps Ethernet interface
- 3-in-1 RS-232/422/485 serial interfaces
- Auto MDI/MDI-X
- External power supply
- Chassis compliant (internal power supply)
- FCC Class A & CE approved

Ordering Information:

IRF-633:

RS-232/422/485 to 10/100Base-TX Device Server



Specifications:

Standards:

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

Ports:

1 x UTP RJ-45
1 x serial (RS-232/422/485) 9-pin, D-sub, Male

Max. Distance:

UTP:	100 meters (Cat. 5)
Serial:	15 meters (RS-232); 1,200 meters (RS-422, RS-485)

Data Rates

UTP:	10 or 100 Mbps
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/800 mA 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:

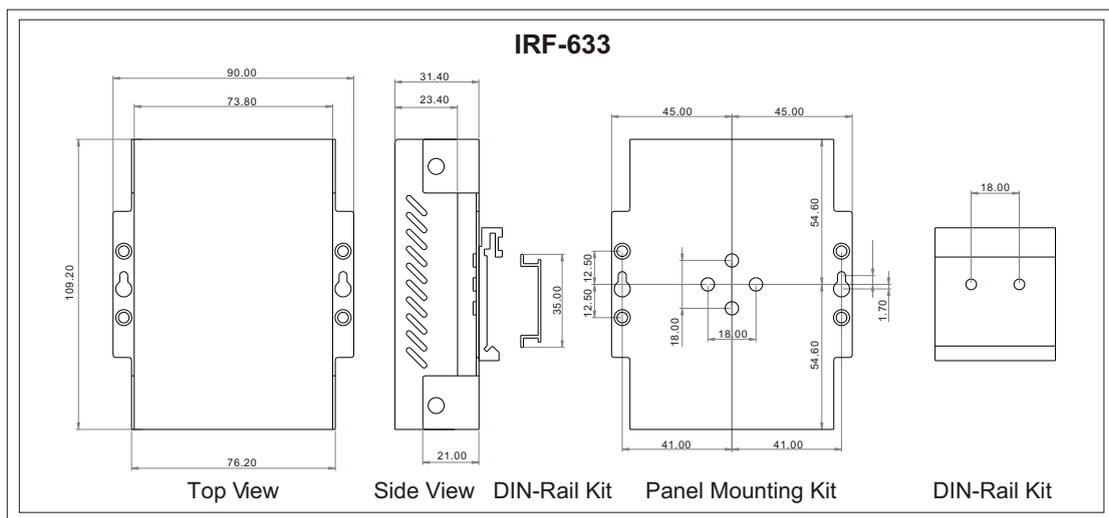
FCC Part 15 of Class A & CE approved

Weight:

280g

Dimensions:

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



Unit=mm