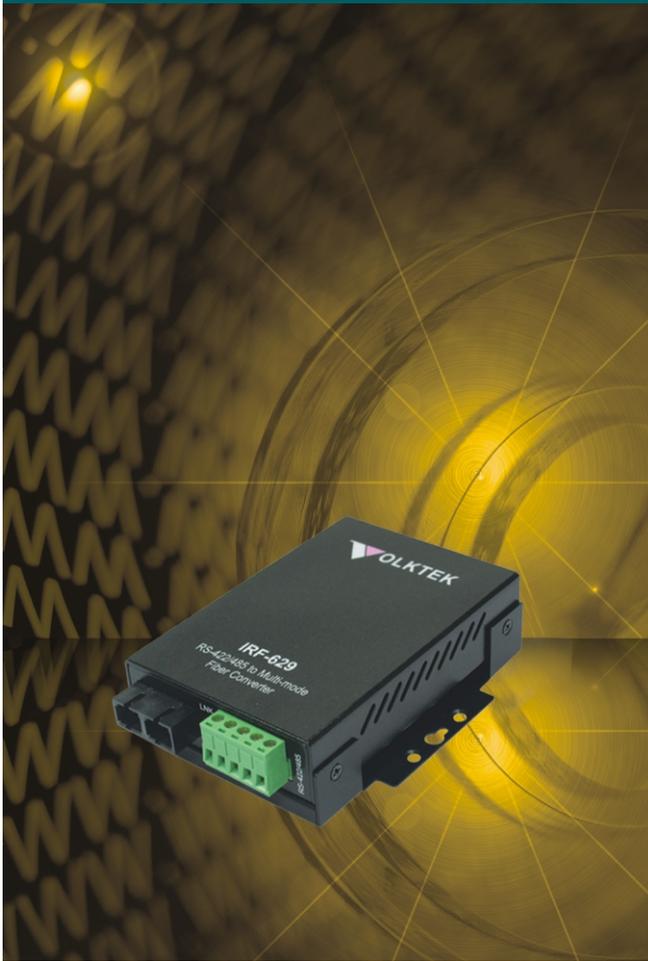


IRF-629 : RS-422/485 to Fiber Converter



Product Introduction & Benefits

This unit offers cost-efficiency for extending distances to between 2km (multi-mode fiber) and 120km (single-mode fiber). The IRF-629 enables network managers to install fiber cabling anywhere within the existing network environment – without the removal, replacement or modification of existing copper-based RS-422/485 infrastructure. Plus, it is capable of 4-wire and 2-wire operations via DIP switch.

Simply use the DIP switch to adapt to different cabling environments (eg. 4-wire or 2-wire). This 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 cables that make any leakage of transmission detectable.



Main Features:

- Complies with EIA/TIA-422, EIA/TIA-485
- Supports asynchronous data transfer rate of up to 115.2 Kbps
- Supports full-and half-duplex modes
- DIP-switch-enabled "terminator"
- 35mm DIN RAIL mounted
- Supports 4-wire full-duplex, 2-wire half-duplex
- LED status indicators for power (PWR), link (LNK) and receive (RCV)
- Available ST/SC connectors
- External power supply
- Chassis compliant (internal power supply)
- FCC Class A & CE approved

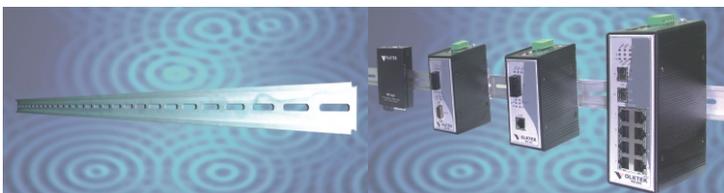
Ordering Information:

IRF-629MT/MC:

RS-422/485 to Multi-mode Fiber Converter (ST/SC Connector)

IRF-629SC-30/60/100/120:

RS-422/485 to Single-mode Fiber Converter (SC Connector, 30/60/100/120km)



Specifications:

Standards:

EIA/TIA-422, EIA/TIA- 485

Ports:

1 x Serial RS-422/485 (terminal block)
1 x Fiber (ST/SC Multi-mode/Single-mode)

Max. Distance:

Copper: 1200 meters.
Fiber: Up to 120km (Single-mode)

Unit LED:

PWR: Illuminated green for normal operation
LNK: Illuminated green when fiber is properly connected
RCV: Illuminated amber for receiving packets from RS-422/485 device

DIP Switches:

DIP1 N/A
DIP2 N/A
DIP3 Enables / disables 2-wire/4-wire Mode
DIP4 Enables / disables termination (TMR)

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: 5 % to 90%, non-condensing
Storage: 0 % to 80%, non-condensing

Emissions:

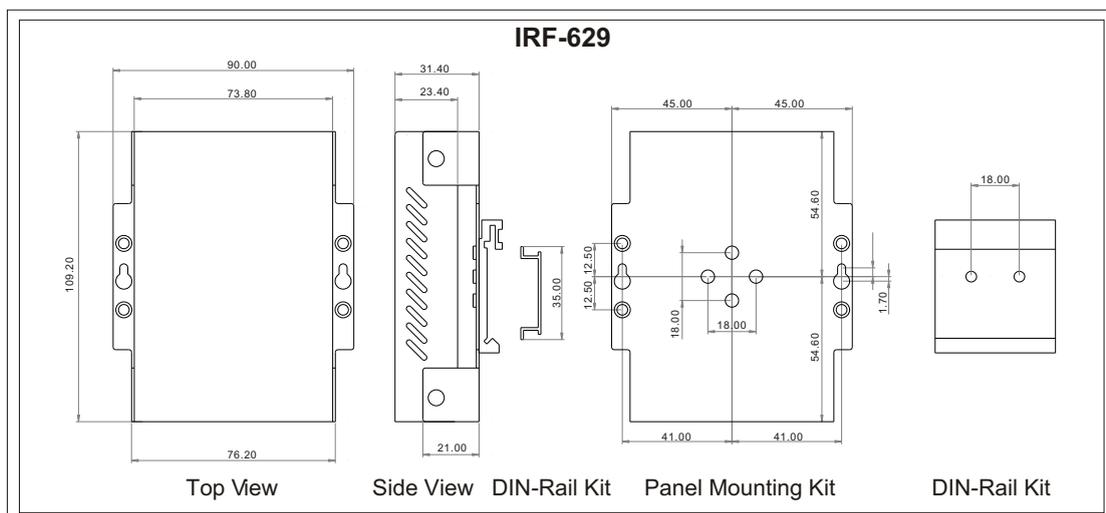
FCC Part 15 of Class A & CE approved

Weight:

280g

Dimensions:

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



Unit=mm