

IRF-629

RS-422/485 to Fiber Converter, Slim Aluminum Case

Description

The IRF-629 offers cost-efficiency to transmit RS-422/485 signal over optical fiber in variable distances up to 2km (multi-mode fiber) and 120km (single mode fiber). The converter is ideal for connecting data communication devices situated in manufacturing-intensive environments where electromagnetic and radiofrequency interference is a major concern. Data integrity is also assured because the characteristics of fiberoptic cables make any break in transmission integrity immediately detectable.

The IRF-629 enables network managers to install fiber cabling anywhere within an existing network environment without the removal, replacement or modification of the current 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.



RoHS
CE FCC



Features

- Complies with EIA/TIA-422, EIA/TIA-485
- Supports asynchronous data transfer rate of up to 115.2 kbps
- Supports 4-wire full and 2-wire asynchronous data transmission
- DIP switch enable / disable functions
- Available ST/SC connector
- LED status indicators for system monitoring
- DIP switch-enabled "terminator" 35mm DIN RAIL mounted
- External power supply
- Chassis compliant (internal power supply)
- FCC Class A & CE approved

Specifications

Standards		Power	
EIA/TIA-422, EIA/TIA- 485		Power Input	9~32V DC
Ports		Power consumption	2.4w
1 x serial RS-422/485 (Terminal Block)		Temperature	
1 x Fiber (ST/SC; Multi-mode / Single-mode)		Operating Temperature	0°C to 50°C
Data Rates		Storage Temperature	-20°C to 80°C
Serial	max. 115.2 kbps (asynchronous)	Humidity	
Unit LEDs		Operating Humidity	10% to 80% RH
PWR	Illuminated green for normal operation	Storage Humidity	5% to 90%RH
LNK	Illuminated green when fiber is properly connected	Dimension	
RCV	Illuminated amber for receiving packets from RS-422/485 Device	109.2x 90x 31.5mm (D x W x H)	
Max Distances		Weight	
Fiber	Up to 120km (single-mode)	280g	
DIP Switches		Ordering Information	
DIP1: N/A	DIP3: Enable / disable 2-wire/4-wire mode	IRF-629MT/MC RS-422/485 to Multi-mode Fiber Converter (ST/SC Connector)	
DIP2: N/A	DIP4: Enable / disable terminator (TMR)	IRF-629SC-30/60/100/12 RS-422/485 to Single-mode Fiber Converter (SC Connector, 30/60/100/120km)	

*Specifications subject to change without notice.

Dimension

