VOLKTEK

Quick Installation Guide
IRF-629 / IRF-631

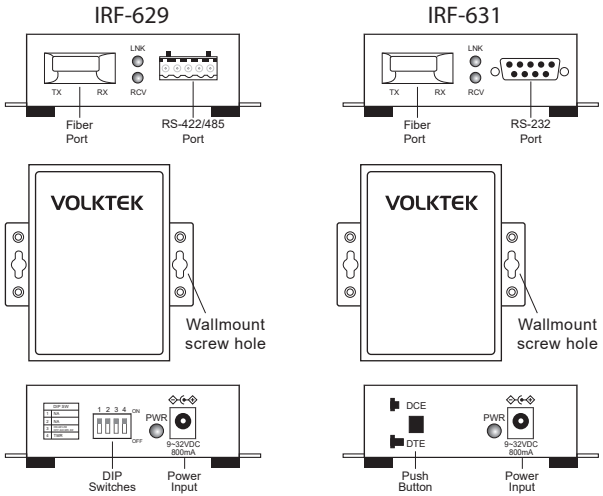
1. Overview

The IRF-629 & IRF-631 Converters are used to connect legacy serial device to fiber based Ethernet
IRF-629 – RS-422/485 to Fiber Converter
IRF-631 – RS-232 to Fiber Converter

2. Package Checklist

Before installing IRF-6xx series, verify that the package contains the following items:

- IRF-629/IRF-631 Converters
- Din Rail kit
- Power adapter (Check for area type)
- IRF-6xx series Quick Installation Guide



3. Hardware Installation Procedure

STEP 1:

Remove the IRF-629/IRF-631 from packing. Connect the 9-32V DC power adapter to the power input on rear panel.

STEP 2:

Connect the Fiber port to the networking device. See the LNK/ACT LED to confirm if the connection is established.

STEP 3:

Connect the serial port to the serial devices.

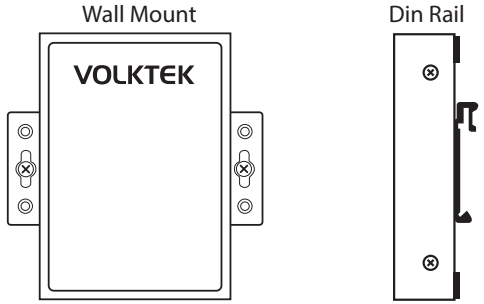
STEP 4:

See the DIP switch on rear panel to enable/disable the required features for appropriate usage.

NOTE: *Please use the same hardware version for pair connection. The version information is shown on the label, i.e Rev.A.*

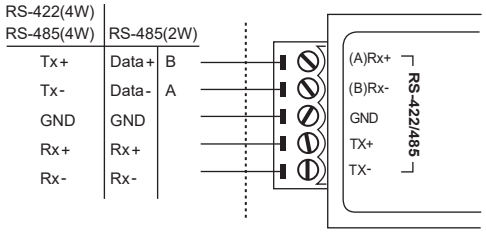
4. Location

The IRF-629/ IRF-631 can be placed on a desktop or horizontal surface, wall mounted and Din Rail mounted.



5. Terminal Block (RS-422/485) Wiring - IRF-629

IRF-629 offers 5-pin terminal block port. See the figure below for the pin assignment.



6. DB9 Male Pin Assignment (RS-232) – IRF-631

IRF-631 offers 9-pin male console port. See figure be low for the pin assignment for straight cable. This pin assignment can also be used for IRF-633/634 as well if using RS-232 configuration for serial port.



Straight Cable Wiring

DB9	Signal	DB9	Signal
2	RD	2	RD
3	TD	3	TD
4	DTR	4	DTR
6,1	DSR, DCD	6,1	DSR,DCD
7	RTS	7	RTS
8	CTS	8	CTS
5	GND	5	GND
9	RI	9	RI

See below for the pin assignment for crossover cable.



Cross Cable Wiring

DB9	Signal	DB9	Signal
2	RD	2	TD
3	TD	3	RD
4	DTR	6,1	DSR,DCD
6,1	DSR, DCD	4	DTR
7	RTS	7	CTS
8	CTS	8	RTS
5	GND	5	GND
9	RI	9	RI

7. Environmental limits

Operating Temperature	0˚C~50˚C
Storage Temperature	-20˚C~80˚C
Ambient relative humidity	10 to 80% (non-condensing)

Limited Warranty

VOLKTEK Corporation warrants this product against defect in materials and workmanship for a period of TWO(2) YEARS to the original purchaser.

If you discover a defect, VOLKTEK will, at its sole option, repair or replace the product at no additional charge, provided that you contact VOLKTEK technical support to obtain a Return Merchandise Authorization Number (RMA) and instruction on how and where repairs can be made. This warranty does not apply if the product has been damaged by accident, abuse, misuse, misapplication, neglect, fire, water, lightning or other acts of nature, failure to follow supplied instructions, installation or removal, have been repaired or have undergone attempted repair by unauthorized personnel without written consent from VOLKTEK, modified, defaced, or has its serial numbers removed. VOLKTEK reserves the right to use remanufactured, refurbished, or used parts and components in making warranty repairs.

All expressed or implied warranties for this product, including the implied warranties of merchantability and fitness for a particular purpose are limited in duration to the warranty period. No warranties expressed or implied will applied after this period. VOLKTEK shall not be liable for lost profits, damage to other property caused by any defects of this product, or damages based upon inconvenience, loss of product use, loss of time, commercial use, incidental and/or consequential damages for the breach of any expressed or implied warranty, including damages to property, and to the extent permitted by law, damages for personal injury, even if VOLKTEK has been advised of the responsibilities of such damages.

If you have any further questions, please contact Customer Support:

Address of the manufacturer.

VOLKTEK CORPORATION
4F, 192 Liancheng Rd, Zhonghe, New Taipei 23553, Taiwan
Email: support@volktek.com
Tel: +886-2-8242-1000
Fax: +886-2-8242-3333

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