

Serial to Ethernet Converter (RS232) - DIN Mount Basic

This compact DIN-rail mounted RS485/RS232 to Ethernet server transforms traditional serial communication (RS485/RS232) into high-speed Ethernet network data, enabling industrial systems and legacy devices to communicate over IP networks without hardware redesign. It is ideal for automation, IoT, building control, factory monitoring, and edge networking applications. With support for common industrial network protocols and DHCP, this converter is easy to deploy in both new and existing Ethernet infrastructures.

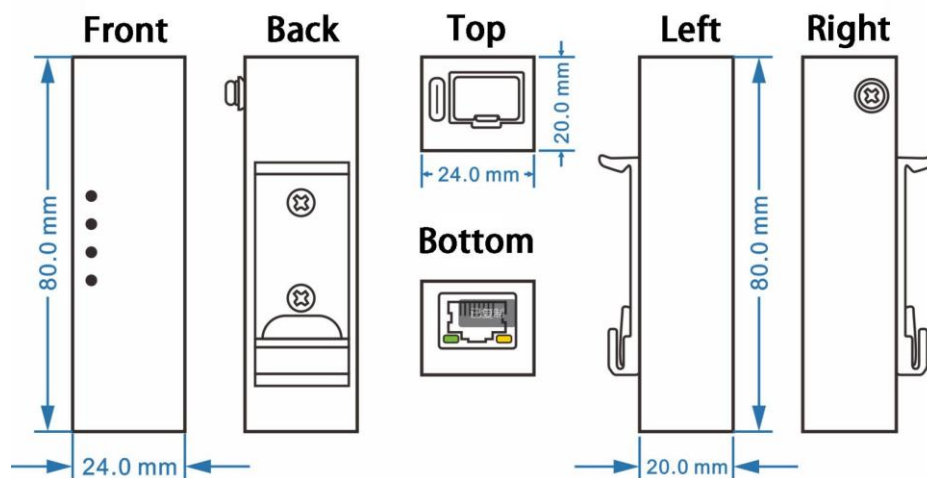
Key Features

- Supports RS485 or RS232 serial communication.
- Converts serial data into Ethernet (TCP/IP) packets.
- Works as a serial device server for remote network access.



SPECIFICATIONS	
Model number	FCT-081217-R1 (RS232) FCT-081217-D1 (RS485)
Operating system	Virtual COM software included for: Windows 11 32/64-bit, Windows 10 32/64-bit
Processor	ARM Cortex-M4, 192MHz
Serial ports	RS232 or RS485
Signals	FCT-081217-D1: RS-485 2-wires: D+, D-, GND FCT-081217-R1: RS-232: RXD, TXD, GND
Flow Control	RS232: Hardware (RTS/CTS), Software (XON/XOFF), None RS485: Automatic Send Control
Serial port settings	Up to 300 - 921600 bps (RS485), 256000 bps (RS232) Non-standard baud rates supported Parity: None, Odd, Even Data bits : 8, 9 Stop bits : 1, 2
LAN port	RJ45, Auto-MDI/MIDX, 2KV isolation
Protocols	TCP Server, TCP Client, UDP Server, UDP Client, DHCP, ModBus TCP/RTU
Parameter management	Web-browser
Modbus	Yes (TCP and RTU)
Power	Power terminals 9-50 VDC
Current draw	<5W
Temperature	Working Temperature: -40°C to +85°C Storage Temperature: -40°C to +85°C
MTBF:	> 100,000 hours
Dimensions	80mm x 20mm x 24mm
Weight	720g
Approvals	CE, FCC, ROHS
Warranty	1 year Limited Warranty

Measurements



Terminal configuration



- 1: DC 9 – 50V Positive (+)
- 2: DC 9-50V Negative (-)
- 3: RS232 / RS485 A
- 4: RS232 / RS485 B
- 5: RS232 / RS485 GND

Indication lights

Name	Color	State	Description
RX	Green	Flash	Receive
TX	Green	Flash	Send
LOK	Green	Flash	Network connected
PWR	Green	On	Power ON

Reset button



The reset button is located inside the hole on the side of the converter. To reset the converter: press and hold the button and apply power to the converter. Release the button after power is applied. The converter will not reset and reboot to factory default settings.

To access technical support, please visit the U.S. Converters website at: www.USconverters.com.

Here you will find: - Latest drivers and updates for download - Technical tips - Documentation -

Configuration support - and much more... Feel free to contact our technical support team at

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