

2-port Serial to Ethernet Converter (RS232 & RS485)

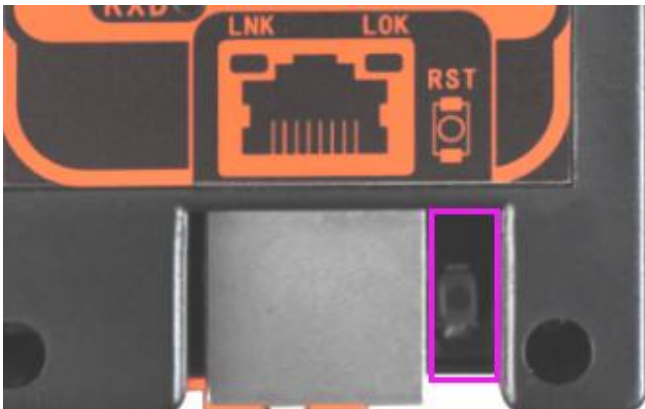
This 2-port RS232/RS485 Serial to Ethernet Server is an industrial-grade networking solution designed to connect legacy serial devices to modern Ethernet networks quickly and reliably. It enables transparent data transmission between RS232 or RS485 equipment and TCP/IP networks, making it ideal for industrial automation, building management systems, and remote monitoring applications. Built for industrial environments, this serial device server features a rugged, fanless design with wide temperature tolerance and EMC protection. It supports multiple communication modes including TCP Server, TCP Client, UDP, and Modbus TCP, allowing seamless integration with PLCs, HMIs, sensors, meters, and other serial devices.

With flexible mounting options, wide voltage power input, and advanced network protocols, this RS232/RS485 to Ethernet converter ensures stable, secure, and long-term operation in demanding industrial settings. Two TCP ports are available, one for RS232 and one for RS485, so two data streams can be used independently.



SPECIFICATIONS	
Model number	FCT-102-R
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, RS485
Signals	RS-485 2-wires: D+, D-, GND RS-232: RXD, TXD, GND
Flow Control	RS232: Hardware (RTS/CTS), Software (XON/XOFF), None RS485: Automatic Send Control
Serial port settings	RS485 up to 921.6kbps, RS232 up to 256Kpbs 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	Dual power terminals 5-70VDC
Current draw	<5W
Temperature	Working Temperature: -40°C to +85°C Storage Temperature: -40°C to +85°C
MTBF:	> 100,000 hours
Dimensions	97mm x 54mm x 32mm
Weight	720g
Approvals	CE, FCC, ROHS
Warranty	1 year Limited Warranty

Name	Color	Status	Description
PWR	Green	On	No. 1 power port is connected
TXD	Green	Flash	Serial port has data transmitting
RXD	Green	Flash	Serial port has data receiving
LNK(on RJ45)	Green	On/Flash	Ethernet port is connected or there is data transmitting and receiving
LOK(on RJ45)	Green	On	Serial network protocol is linked



Restore factory settings:

Press and hold the reset button while powering on. After powering up, release the reset button, and the converter will be reset to factory settings (IP 192.168.0.148/24)

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

mail@usconverters.com with any issues. Copyrights © U.S. Converters