

Serial RS485 to Ethernet Converter  
Part no. USCDR302



Industrial DIN rail converters used to cost a lot in the old days, fortunately things has changed. Cutting edge technology and streamlined production lines has made industrial grade converters cheaper without sacrificing quality. With this in mind we here present our new DIN rail mountable Serial RS485 to Ethernet converter. Perfect for building into electrical control cabinets, racks and enclosures of any kind which has a DIN rail.

**ARM® Cortex™-M Processor**

This RS485 serial to Ethernet converter is designed around a 32-bit microcontroller (STM32F0) from STMicroelectronics containing a ARM® Cortex®-M processor, which makes this converter a modern high performance, reliable solution with all basic functions and several expanded/advanced functions. Ideal for most industrial and commercial applications and environments.

**Included items:**

- ◆ 1 x Serial to Ethernet converter
- ◆ 1 x 100/240VAC to 5VDC 1A power supply
- ◆ 1 x power connector wire (barrel connector to stripped wires)

**Please download the latest drivers and user guides for this product from:**

**[www.USconverters.com](http://www.USconverters.com)**

**Default parameters:**

**Work mode: TCP Client**  
**IP address: 192.168.0.7**  
**LAN port 0**  
**Baud rate: 115200/8/N/1**

**User: admin**  
**Password: admin**

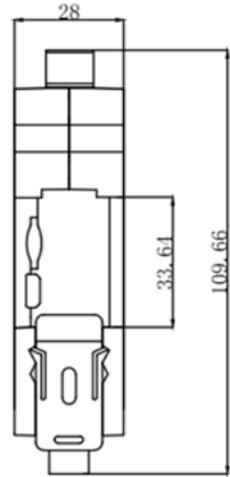
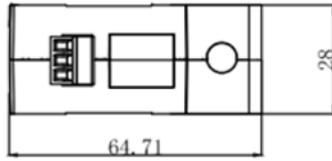
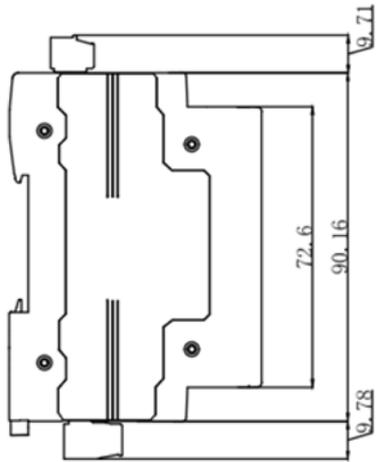
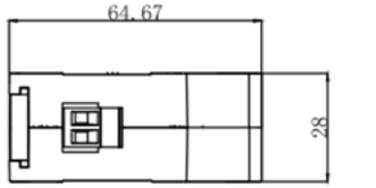
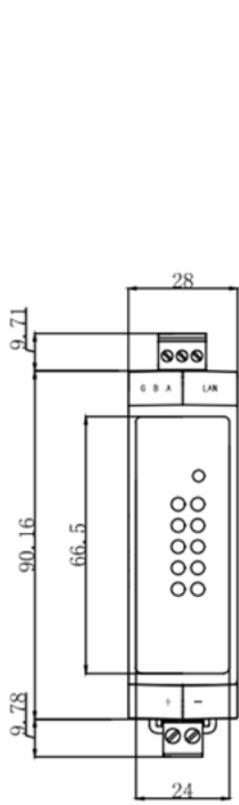
SPECIFICATIONS	
Model number	USCDR302
Operating system	Virtual COM software for: Windows 11 32/64-bit, Windows 10 32/64-bit, Windows 8 32/64-bit, Windows 7 32/64-bit, Vista, XP
Processor	ARM® Cortex® STM32F0
No. of serial ports	1 port RS485, screw terminals
RS-485 Signals	- D+, D-, GND - Parity: None, Odd, Even, Mark, Space - Data bits : 7, 8 - Stop bits : 1, 2
Flow Control	None
Baud rates	600 - 460800 bps Non-standard baud rates supported
LAN port	RJ45, Auto-MDI/MIDX, 2KV isolation
Net buffer	TX: 16Kbyte RX: 4Kbyte
Serial buffer	RX: 1Kbyte
Average delay	<10ms
Packaging mechanism	4 bytes packaging time, 1024 bytes packaging length.
Protocols	TCP Server, TCP Client, UDP Server, UDP Client, HTTPD, DHCP
Parameter management	Web-browser (over WiFi) or by AT commands
Modbus	No
Max number of clients. This is how many computers that can access the converter simultaneously	8 clients for each port in TCP mode.
Power	5 - 36VDC (130mA@5V)
Operating Temp.	-40°F to 185°F (-40°C to 85°C)
Storage temp	-40°F to 185°F (-40°C to 221°C)
Operating Humidity	5 - 95%RH
Dimensions	71.0 x 60.0 x 25.0 mm
Approvals	CE, FCC, ROHS
Warranty	1 year Limited Warranty

**Application Diagram**



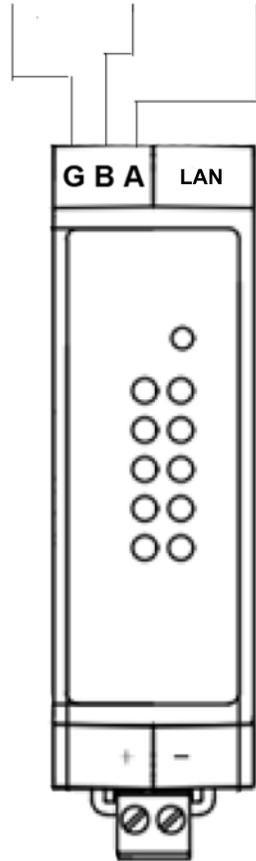
Please contact our technical support team at [mail@usconverters.com](mailto:mail@usconverters.com) with any issues.

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**RS485**

**Ground    Data B    Data A**



**Power In: 6 - 36VDC**