

USB to 4-port RS485 Converter, Industrial

Model number 25219



This USB to 4-port RS485 converter is an industrial-grade non-isolated converter with strong electrostatic protection. It incorporates the CH344L processor chip and SP485EEN serial driver chip, providing enhanced stability and compatibility.

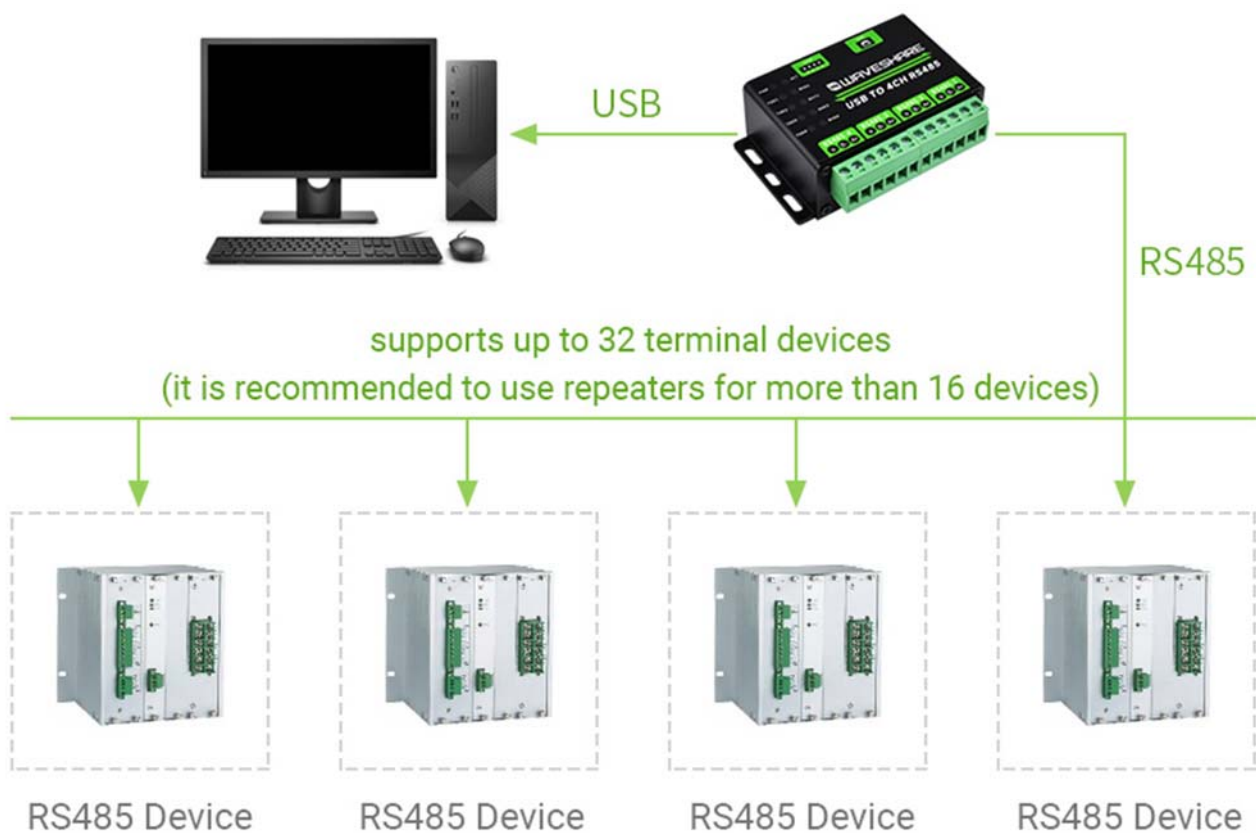
It features built-in voltage/lightning protection, a resettable fuse, ESD, and TVS protection circuits, all enclosed in an aluminum alloy casing. This converter is suitable for various industrial control equipment and applications with demanding communication requirements.

- Extending USB to 4-port RS485, allows concurrent and independent communication for each port.
- Onboard TVS (Transient Voltage Suppressor), effectively protects against voltage surges, transient voltage spikes and electrostatic voltages.
- Onboard resettable fuse and protection diodes, ensures stable current/voltage levels, provides over-current/over-voltage protection.
- Onboard RS485 output terminal 120R resistors, enabled/disabled via DIP switch.
- Aluminium alloy, solid and durable, well-crafted.

SPECIFICATIONS	
Part number	25219
Operating system	- Windows 11, 10, 8.1, 8 (32/64-bit), Windows Server 2016, Windows Server 2012 / R2, Windows 7 (32/64-bit), Windows Server 2008 R2, Vista (32/64-bit), Windows Server 2008 (32/64-bit), XP, Windows Server 2003 (32/64-bit), 2000, (all WHQL compliant). Windows RT as D2XX drivers only. - Windows CE v4.2 - 5.2, 6.0, 7.0 and 2013 including: Windows Mobile 2003, 2003 SE, Windows Mobile 5, 6, 6.1 and 6.5 - Linux (built into kernel 3.0.0-19 and above) - Mac OS 8, OS 9, OS X 10.3 to 10.9 and above (since 10.9 the drivers are included in the kernel). - Android 4.2
Processor	WCH CH344
Driver	SP485EEN
Power	5VDC provided by USB port
Serial interface	RS485, 2-wire half duplex, output voltage: ~5.0VDC, screw terminal blocks (A+, B- and GND)
Compatible with	Modbus RTU/ASCII, BACnet
Terminal resistor	Yes, one for each port, enableable by DIP switches
Bias resistors	Yes
Installation method	Screw mount
USB interface	Standard Type B Female, 500mA resettable fuse, ESD protection
Indication LEDs	Power, Activity and TX/RX for each port
Baud rate	1200bps - 460800bps
Parity	None, Odd, Even, Mark, Space
Data Bits	5, 6, 7, 8
Stop Bits	1, 1.5, 2
COM port accessible by	Downloadable virtual COM port drivers
Electrostatic (ESD) protection	600W voltage/surge, 15KV ESD protection
Operating current	23.6mA
Dimensions	86.2mm x 48mm x 27.2mm

Interface compliance	USB1.1, 2.0, 3.0, EIA/TIA RS-232
Regulatory compliance	FCC, CE and RoHS
Operating temp	-40°F to 185°F (-40°C to 85°C)
Warranty	1 year limited warranty

INDICATOR INTRODUCTION	
PWR	power indicator, lights up while the USB is connected and voltage is detected
ACT	Status indicator, lights up green while the driver is detected.
RXD(1~4)	Blue RXD indicators, light up when the device ports send data back (corresponding to 4 channels respectively)
TXD(1~4)	Blue TXD indicators, light up when the USB port is sending data (corresponding to 4 channels respectively)





Unit: mm