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E L E C T R O N I C S

USB to 1 x RS232 Converter
Part no. GH-UR201

This USB to serial RS232 converter has one RS232 port which is fully isolated from the USB port. It us built around the FT232RL processor chip which is one of the best serial conversion chips on the market.

Isolation is made using the ADM3251E chip from Analog Devices which offers 2.5 kV fully isolated (power and data) communication with a data rate of up to 460 kbps. ESD protection on the TX and RX pins is up to ±8 kV contact discharge and
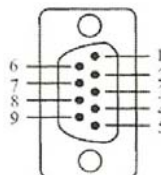±15 kV air gap discharge.

This is a very effective solution for protecting your USB port and serial device against most types of power surges, static electricity, voltage spikes and transients. Ideal for industrial applications, and suited for operation in electrically harsh environments or where RS-232 cables are frequently being plugged and unplugged.

The enclosure is made of sturdy sheet metal tht won't easily break. Included with the converter are DIN mount brackets so you can easily mount this converter on a standard DIN rail. Included are also screw mount brackets so it can be mounted on a flat surface using screws.

The converter is powered through the USB port so no external power supply is needed.
LED indication lights indicates when data is sent and received.

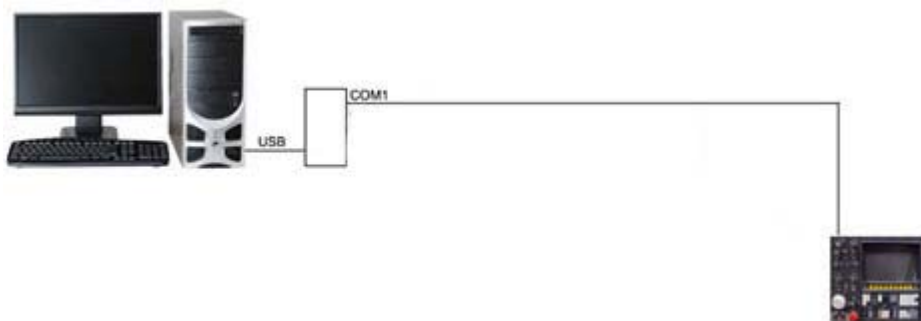| DB9 Male	RS232
1	DCD
2	RXD
3	TXD
4	DTR
5	GND
6	DSR
7	RTS
8	CTS
9	RI

DB9 Male

Overall features

- One RS232 port
- Fully isolated
- Industrial grade
- DIN-rail mountable
- Wall mountable
- USB port powered
- TX, RX status lights
- Easy driver installation

Included items

- 1 x Converter
- 1 x USB cable
- DIN mount kit
- Wall mount kit
- Mounting screws

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.

SPECIFICATIONS	
Part number	GH-UR201
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 • Android
Processor	FT2232RL
RS232 Interface	RS232 DB9 Male x 1
Isolation	ADM3251E. 2.5 kV fully isolated (power and data)
Cable length	75 inches / 190cm
USB interface	Standard Type B Female
Indication LEDs	TX, RX
Ports	1-port
Signals	TX, RX, RTS, CTS, DTR, DSR, RI and GND
Power on pin 9	No
Baud rate	Up to 460 kbps
Parity	None, Odd, Even, Mark, Space
Data Bits	7, 8
Stop Bits	1, 2
TX / RX buffer size	128 Byte Transmit Buffer / 384 Byte Receive Buffer
Adjustable USB transfer sizes	From 64 bytes to 4096 bytes
Adjustable latency timer	1 to 255 msec
Adjustable read and write timeouts	0 to 10000 msec
Flow Control	None, Xon/Xoff, Hardware
COM port accessible by	Included virtual COM port drivers or FTD2XX.DLL
Special features	• Works with Cisco Standard Break Key Sequence for Password Recovery • Supports non-standard baud rates
Electrostatic (ESD) protection	ESD protection on TX and RX: ±8 kV: contact discharge, ±15 kV: air gap discharge High common-mode transient immunity: >25 kV/µs
Power	Port powered from USB port
Housing	Aluminum
Dimensions	65 x 50 x 25 mm without mounts
Weight	129g
Interface compliance	USB1.1,2.0,3.0, EIA/TIA RS-232
Regulatory compliance	FCC, CE and RoHS
Operating temp	-40°C to 85°C, 5% to 85% humidity
Warranty	1 year limited warranty