

USB to 2 x RS485/422 Converter
Part no. UTS-M12



Industrial and commercial strength USB to 2-port RS485/422 converter hub optimized for Vista and Windows 7. With this unit you can easily add two serial RS485 or RS422 COM ports to almost any computer with a standard USB port. Surge and static protection up to 15KV protects both COM ports.

The COM ports can be set as either 2 x RS485, 2 x RS422 or 1 x RS485 and 1 x RS422. This converter is built around a quality FTDI processor chip which makes it the ideal choice for applications where reliability and performance is critical.

Pin no.	RS422 DB9 Male
1	TX-
2	TX+
3	RX+
4	RX-
5	GND
6	RTS-
7	RTS+
8	CTS+
9	CTS-

Pin no.	RS485 DB9 Male
1	(1)D-
2	(1)D+
3	(2)D+
4	(2)D-
5	GND
6	(1)RTS/CTS-
7	(1)RTS/CTS+
8	(2)RTS/CTS+
9	(2)RTS/CTS-

Slide-switch modes

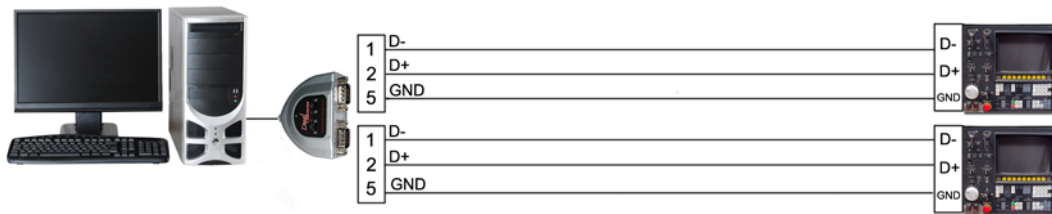
Left side slide-switch is for left side DB9 connector.
Right side slide-switch is for right side DB9 connector.

RS485 position: RS485 mode
RS422 position: RS422 mode

Notice: Echo signal is enabled in RS485 mode

SPECIFICATIONS	
Model number	UTS-M12
Operating system	Windows 98Se, ME, 2000, XP32/64, Vista 32/64, Server 2003/8 32/64, Windows 7 32/64, Win CE, Mac and Linux
Baud rate	300 – 1Mbps
Power	Port-powered from USB port
Chipset	FTDI
Interface	RS485/422: 2 x DB9 male USB: Male type A
RS485 signals	D-, D+
RS422 signals	TX-, TX+, RX+, RX-
Output power	4.7VDC
USB signals	VCC, DATA+, DATA-, GND, FG
Flow control	Automatic send data control
Standards	Serial: EIA/TIA RS-485/422C USB: v1.1, (compliant with v2.0)
ESD protection	Up to 15KV, 600w/ms
Certifications	CE, FCC, RoHS
Operating Temp.	-10 to 55°C
Operating humidity	5 - 95% - No Condensation
Dimensions	3.5 x 2.5 x 1.5 inch
Warranty	5-year Limited Warranty
ECCN	4A994.a
Schedule B	8471.80.1000
HTS	8517.18.0050

Application example dual RS485 point-to-point:



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