

RS232 to RS232 / RS485 / RS422
Industrial Isolated Converter
Part no. XS503



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

Pin	RS422	RS485
1	T/R+	A+
2	T/R-	A-
3	RXD+	
4	RXD-	
5		
6		
7		
8	VCC 9-30VDC	VCC 9-30VDC
9	GND	GND

This is an industrial grade and optically isolated RS232 to RS485 / RS422 converter. The hardened ABS plastic housing with optional built-in DIN mount bracket makes this converter ideal for any industrial and commercial application.

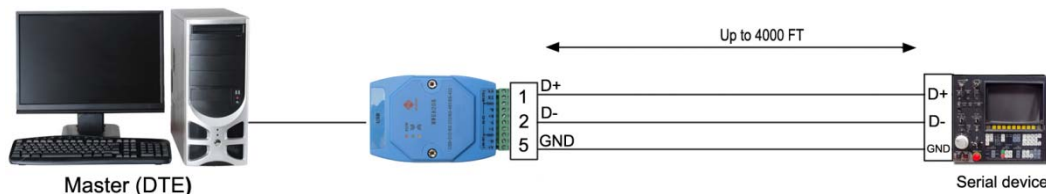
The RS232 interface is fully isolated from the RS485/422 interface by optical isolators. Transient Voltage Suppressors (TVS) effectively isolates and protects your data signals and your equipment from damaging high voltage spikes, surges, ground loops and static electricity for up to 2500Vrms/600W and 15KV EDS protection for each data line. The power supply is galvanic separated from the internal circuitry which gives additional protection.

Overall features

- Industrial grade strength
- Optically isolated
- Fail-safe bias resistors
- Screw terminals for easy connection
- Automatic Send Data Control
- Control LEDs for TX, RX and power
- Compatible with Modbus RTU/ASCII, BACnet
- Serial RS-232 cable included (M/F)

SPECIFICATIONS	
Model number	XS503
Indication LED lights	Power, TX, RX
Baud rate	300 - 115200bps
Power	External 9-30VDC
Current	< 350mA
RS232 Interface	DB9 female connector. Pin 7 (RTS) and 8 (CTS) are tied together. Pin 4 (DTR), 6 (DSR), and 1 (CD) are tied together.
RS485/422 interface	Screw terminal
Isolation	2.5KVrms/600VDC isolation, dedicated DC/DC module, 600W +/-15KV ESD protection for each RS-485/422 line
Standards	EIA/TIA RS-232/485/422
Installation	35mm standard DIN rail / screws
Handshake / flow control	Automatic Send Data Control
Certifications	CE, FCC, RoHS ISO 9001 Certified
Operating Temp.	-13°F to 158°F (-25°C to 70°C)
Operating humidity	5% To 95% - No Condensation
Warranty	1-year limited warranty
ECCN	4A994.a
Schedule B	8471.80.1000
HTS	8517.18.0050

Application example: Extending communication distance with RS485



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- Configuration support
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