

RS232 to RS232 / RS485 / RS422
Industrial Surge Protected Converter
Part no. UT216



UT216 is an industrial strength surge protected RSR232 to RS422 / RS485 converter powered by an external power supply. This converter is surge protected against high voltage spikes and surges for up to +/-15KV, 600W.

The RS232 interface is a standard DB9 connector and the RS485 / RS422 interfaces offers a RJ45 connector and a standard DB9 connector.

Overall features:

1. Interface characteristic: RS-232C and RS485/RS-422 EIA/TIA.
2. Electric interface: DB9 female connector for RS-232 interface Input, DB9 male and RJ-45 connector for RS-422/RS-485 interface.
3. Protection: +/-15KVESD protection for RS-232 interface, and 600Wsurge protection each line for RS-422 and RS-485 interfaces.
4. Operation mode: asynchronous half duplex or asynchronous full duplex.
5. Signal indication: LED lights for Power (PWR), Send (TXD) and Receive (RXD).
6. Transmission media: twisted pair cable or shielded cable.
7. Average transmission rates: 115.2KBPS for 300M, 38.4K BPS for 2.4KM and 9,600 BPS for 5KM.
8. Dimensions: 113mm x 55mm x 25mm.
9. Working temp: -40 to 85 , relative humidity 5%-95%.
10. Transmission distance: 0-1,200meters (115,200bps-9,600bps).

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

Pin	RJ45	RS422	RS485
1	1	T/R+ (A+)	A+
2	2	T/R- (B-)	A-
3	3	RXD+ (A+)	
4	6	RXD- (B-)	
5	4,5,6,7	GND	GND
6		VCC (9-30VDC)	VCC (9-30VDC)
7			
8			
9			

SPECIFICATIONS	
Model number	UT216
Indication LED lights	Power, TX, RX
Baud rate	300 - 115200bps
Power	External 9 - 30VDC
Current	< 350mA
RS232 Interface	DB9
RS485/422 interface	RJ45 and DB9
Isolation	600W +/-15KV ESD protection for each RS-485/422 line
Standards	EIA/TIA RS-232/485/422
Installation	Screws mounts
Handshake / flow control	Automatic Send Data Control
Certifications	CE, FCC, RoHS ISO 9001 Certified
Operating Temp.	-40°C to 85°C
Operating humidity	5% To 95% - No Condensation
Warranty	5-year Limited Warranty
ECCN	4A994.a
Schedule B	8471.80.1000
HTS	8517.18.0050

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