Serial Converters
RS-232 to RS-422/485 Serial Converters - Non Isolated/Isolated

SS-CVT-XXX Series

Quatech's Serial Converters allows RS-232 line signal bi-directionally convert to RS-422 or RS-485 standard. Featuring data format DIP switching and baud rate auto switching (from 110bps to 115.2Kbps) users only need to plug the unit and go without software or hardware complicated setting. The RS-485 control is completely transparent to the user and software written for Half-Duplex RS-232 works without any modification. SS-CVT-500I provides photo couple and DC to DC isolation.

KEY FEATURES

- RS-232 to RS-422/485
- Isolated, RS-232 to RS-422/485
- Auto data flow control for RS-422/485
- Surge protection for RS-422/485
- Wrong polarity voltage input protection
- Up to 110kbps under 1200m/4000ft
- Standard 15kv ESD protection and surge suppression
- SS-CVT-500I: Auto detect/switching between RS-485 and RS-422
- SS-CVT-500I: Photo coupling and DC to DC isolation

SS-CVT-500N Specifications		SS-CVT-500I Specifications	
Connector	RS-232: DB9 Male; RS-422/485: 4-screw Terminal Block	Connector	RS-232: DB9 Male; RS-422/485: 4-screw Terminal Block
ESD protection	15KV	ESD protection	15KV
Signal isolation	None	Signal isolation	Photo couple 2KVrms
Power isolation	None	Power isolation	3KVdc
Surge protection	Yes	Surge protection	Yes
Terminator	Auto	Terminator	Select for 120 Ohm
Pin Configuration	RS-485: Data +, Data -; RS-422: Rx+,Rx-,Tx-	Pin Configuration	RS-485: Data +, Data -; RS-422: Rx+,Rx-,Tx-
Cable length	1200m (4000 ft)	Cable length	1200m (4000 ft)
Data rate	Up to 100Kbps under 1200m	Data rate	Up to 100Kbps under 1200m
Baud rate	Auto detection	Baud rate	Auto detection
LED signals	Rx Transmission, Tx Transmission	LED signals	Power, Tx/Rx Transmission Direction
Power range	DC 5V	Power range	DC 9V to 24V
Power consumption	<0.5W	Power consumption	<0.5 W
Power protection	Wrong polarity input protection	Power protection	Wrong polarity input protection
Casing	Plastic case	Casing	Plastic case
Operating environment	+0°C to +60°C	Operating environment	+0°C to +60°C
Storage temperature	+0°C to +70°C	Storage temperature	+0°C to +70°C
Humidity	5%-95%, non-condensing	Humidity	5%-95%, non-condensing
Approvals	CE, FCC	Approvals	CE, FCC
Dimensions	55mm X 40mm X 25mm	Dimensions	75 mm X 100 mm X 25 mm
Warranty	1 year	Warranty	1 year