

Model: UT-211

RS-232 3 Bits Isolated port-powered Converter



Datasheet

Overview

UT-211 is a RS-232 isolated port-powered converter. It adopts advanced optoelectronic isolation technology, maximally protects RS-232 serial interface devices from harsh environment damage, such as ground loop circuit voltage, surge, lightning, ESD, hot-plug and electromagnetic interference, etc. The damage of RS-232 port is related to communication hardware. The optoelectronic isolation technology is fully isolating the electrical devices and ground loop circuit on both ends; it converts the electrical signal to optic signal, then transmits the signal to another end, finally converts it back to electrical signal. This protects the communication device from ground loop circuit and surge interference, which greatly improve the reliability and stability of the communication system.

UT-211 gets widely application in point-to-point RS-232 communication system, UNIX multi-user system, monitoring system, and ATM for power, insurance, telecommunications, railway, post office, finance, banking, securities and program control, etc.

Feature

- Standards: RS-232 & CCITT V.24 asynchronous protocol
- Connector: two DB9 on both sides
- Transmission mode: asynchronous full-duplex, full transparent
- voltage: port-powered
- Baudrate: 300bps-57,600bps
- Power: from RS-232(TXD, RTS or DTR)
- Dimension: 62mm×34mm×18mm
- Weight: 30g
- Operating temperature: -40°C to 85°C
- Relative humidity: 5% to 95%

PIN definition

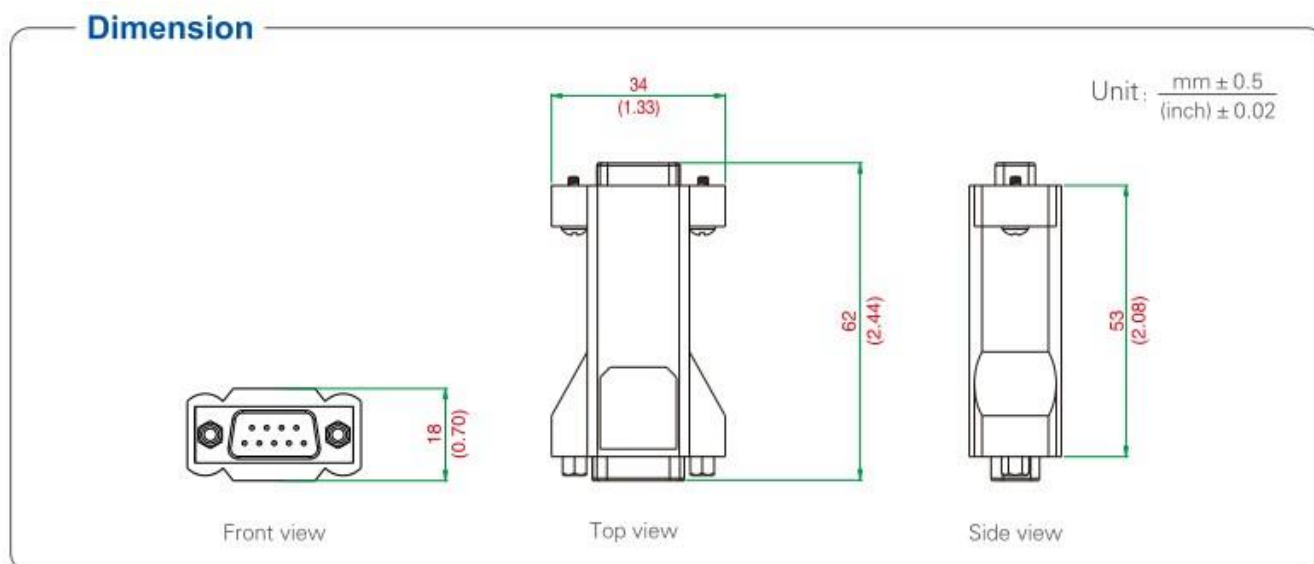
RS-232C pin assignment

DB9 Female (PIN)	RS-232C Interface Signal
1	DCD
2	SOUT(TXD)
3	SIN(RXD)
4	DTR
5	GND
6	DSR
7	RTS
8	CTD
9	RI

RS-232C DE pin assignment

DB9 Male (PIN)	RS-232C Interface Signal
1	DCD
2	SIN (TXD)
3	SOUT(RXD)
4	DTR
5	GND
6	DSR
7	RTS
8	CTS
9	RI

Dimension



Ordering

Ordering									
Model	Signal/Port		Protection	Baudrate	Environment			Power	
	RS-232	RS-232			Temperature		Humidity		
	DB9 female	DB9 male	RS-232		-25/70℃	-40/85℃	5~95%	Port-Powered	External Power
UT-211	✓	✓	±3KV ESD	300bps~57,600bps		✓	✓	✓	