




	Product Name	Key Feature
	<p style="text-align: center;">UT-212</p> <p style="text-align: center;">Port-powered, RS-232 to RS-232, Repeater, Mini-size, PhotoElectric isolator</p>	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid gray; padding: 5px; border-radius: 5px;">5KM</div> <div style="border: 1px solid gray; padding: 5px; border-radius: 5px;">  </div> <div style="border: 1px solid gray; padding: 5px; border-radius: 5px;">  </div> </div>

INTRODUCED

I. Summary:

UT-212/213 serial RS-232 photoelectric isolation line booster, also called long line transceiver or long-distance transmitter, can extend the communication distance between two RS-232 devices performing asynchronous communications to a maximum of 12 kilometers with optical isolation.

As the electric and grounding loop between the two ends of RS-232 devices are completely blocked by the advanced isolation technology adopted by us, therefore, the communication devices are well protected from the interference and damages possibly caused by power grounding loop or surge, therefore, obvious improvement of the reliability and stability of the communication system are achieved. And at the same time, the previous SR-232 interface single-end transmission mode has been changed to double-line balance transmission, the communication distance has been increased sharply. For all those RS-232 asynchronous point-to-point communication areas using dedicated self-owned line, UT-212/213 can be used to meet the demand for interface protection or communication distance extension. Without special requirements for cable and no need of exterior power supply, the small-sized UT-212/213 can be simply connected to the RS-232 interface of your devices directly.

Our UT-212/213 Products are now being widely used in the applications of point-to-point RS-232 communication, connection between multi-user terminals to host, RS-232 remote control system, program control exchanger charging terminal, satellite receiver, etc

II. Specification:

- Interface: one end conforming to EIA RS-232 and CCITT
- V2.4 asynchronous protocol, and the other end dedicated 4-cored copper wire.
- Connector: DB9 hole (female) connector for one end of RS-232 device and DB9 pin (male) connector for the other.
- Transmission mode: asynchronous, full duplex or simplex.
- Distance: 24AWG cable @9,600BPS for 12KM.
24AWG cable @38.4KBPS for 1KM.
24AWG cable @57.6KBPS for 100M.
- Isolation voltage: 2,500 Vrms impulse or 500 VDC on a continuous basis.
- Rate: maximum asynchronous 57.6 KBPS.
- Power: serial self-powered.
- Measurements: 63mm*33mm*17mm
- Weight: 30g
- Working environment: -40 degrees to 85 degrees, relative humidity 5%to95%.

INFORMATION ORDER

MODEL: UT-212 Port-powered, RS-232 to RS-232, Repeater, Mini-size, PhotoElectric isolator