U.S.CONVERTERS.COM
ELECTRONICS
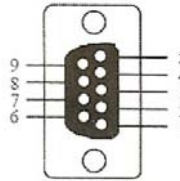
RS232 Isolator
Part no. AN232ISO

This RS232 optical isolator is a simple and effective protection against all surges, static electricity and ground loops in your RS232 line. It efficiently protects your equipment and data communication against the most common damages. This RS232 isolator is a 3-line isolator which protects RXD, TXD and GND with 5000V constant voltage, 600W surge protection and 15KV ESD protection. The isolator is port powered from the TXD signal, alternatively RTS and DTR. Supply port-power (-5 to 12VDC) must be provided on both sides of the isolator.
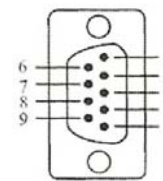
DB9 Female (PC)	RS232
1	DCD
2	TXD
3	RXD
4	DTR
5	GND
6	DSR
7	CTS
8	RTS
9	

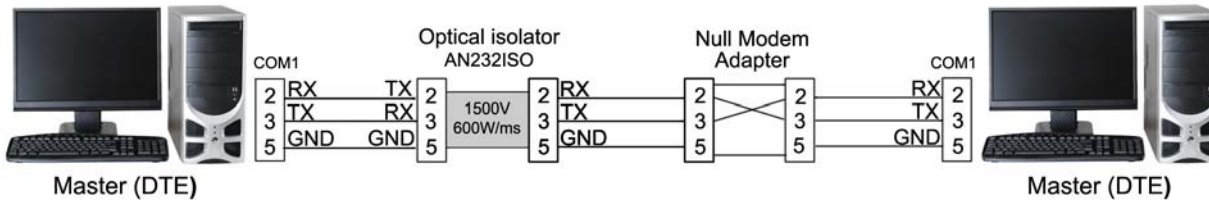| DB9 Male (Device)	RS232
1	DCD
2	RXD
3	TXD
4	DTR
5	GND
6	DSR
7	RTS
8	CTS
9	

DB9 Female

DB9 Male
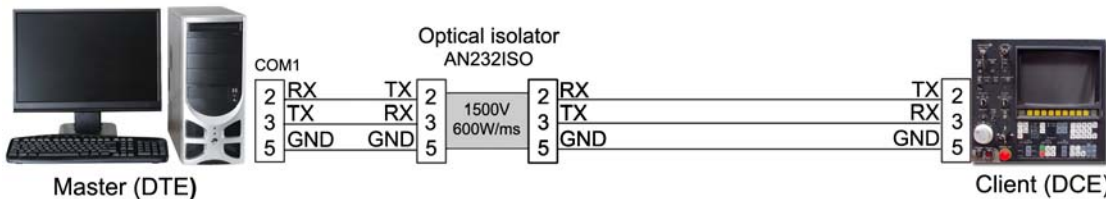
SPECIFICATIONS	
Model number	AN232ISO
Baud rate	300 - 57,600bps
Power	Port-powered -5VDC from RS232 port (TXD alternatively RTS, DTR)
Current consumption	< 15mA
Interfaces	DB9 female / DB9 male
Optical isolation	1500V continuous, 7500V pulse
Static protection	1500W
Surge protection	600W/ms
Working mode	Asynchronous, full transparent
Standards	EIA/TIA RS-232C / RS232
Certifications	FCC,CE, RoHs
Operating Temp.	-13°F to 158°F (-25°C to 70°C)
Operating humidity	5% To 95% - No Condensation
Dimensions	2.47" x 1.33" x 0.70" (62.8 mm x 33.8 mm x 17.8 mm)
Warranty	5-year Limited Warranty
ECCN	4A994.a
Schedule B	8471.80.1000
HTS	8517.18.0050

Isolation between two master (DTE) devices.

Isolation between a master (DTE) and a client (DCE) device.

In cases where only the TX line from the isolator is needed for your application -6VDC can be applied to the RX wire (pin 2) and +6V to the GND wire (pin 5) on the isolator. This simulates power provided from a TX line and will provide power to generate a signal on the TX wire from the isolator.

To access technical support, please visit the U.S. Converters website at: www.USconverters.com
Here you will find:

- Latest drivers and updates for download
- Technical tips
- Documentation
- Configuration support
- and much more…

Feel free to contact our technical support team at mail@usconverters.com with any issues.