

RS232 Isolator
Part no. AN232ISO

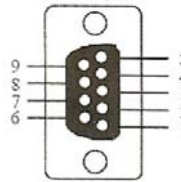


This RS232 optical isolator is a simple and effective protection against all surges, static electricity and ground loops in your RS232 line. It efficiently protects your equipment and data communication against the most common damages. This RS232 isolator is a 3-line isolator which protects RXD, TXD 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.

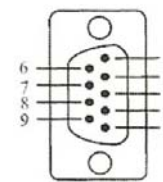
| DB9 Female (PC) | RS232 |
|-----------------|-------|
| 1 | DCD |
| 2 | TXD |
| 3 | RXD |
| 4 | DTR |
| 5 | GND |
| 6 | DSR |
| 7 | CTS |
| 8 | RTS |
| 9 | |

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

DB9 Female

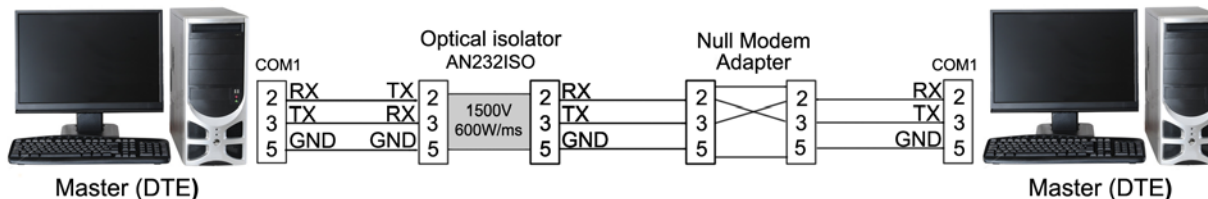


DB9 Male

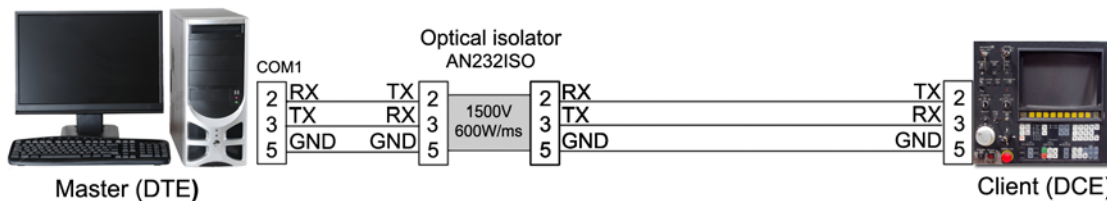


| SPECIFICATIONS | |
|---------------------|---|
| Model number | AN232ISO |
| Baud rate | 300 - 57,600bps |
| Power | Port-powered -5VDC from RS232 port (TXD alternatively RTS, DTR) |
| Current consumption | < 15mA |
| Interfaces | DB9 female / DB9 male |
| Optical isolation | 1500V continuous, 7500V 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. | -40°F to 180°F (-40°C to 85°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.

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