

Isolated USB to 2-Port RS-232 Extender Over Cat.5 (2000m)

The Isolated USB to 2-Port RS-232 Cat.5 extender is a low cost and durable serial solution that will extend your RS-232 via a single standard Cat.5 / 5e / 6 UTP cable. It features 2.5kV isolation to ensure sensitive controls and devices for long extending serial signal won't be damaged. The Extender set provides full-duplex remote access and control of any RS-232 protocol device. The isolated USB to 2-Port RS-232 Cat.5 extender kit consists of a local transmitter and 2 remote receivers. Allows you placing RS-232 devices in any location you want and to control them remotely up to 2000 meters (6600 feet).

Features:

- Compatible with all RS-232 protocols.
- Extend RS-232 peripherals up to 2000 meters upon transfer rate at 115kbps. (1700m upon 230kbps; 700m upon 921.6kbps)
- Fully Compliant with USB specification 1.1 and 2.0
- Supports transfer rate up to 921.6kbps.
- Supports $\pm 15\text{kV}$ (air), $\pm 8\text{kV}$ (contact) ESD protection; Isolated ground loops
- Supports 40A (5/50ns) & Peak Pulse Power 250 W (8/20 us) Surge and Transient spikes protection
- Supports 2.5kV Isolation; Bus powered for local transmitter, external power for remote receiver
- Compatible with Windows XP SP3 / Vista / 7 / 8 / 8.1 / 10 / [11](#); Windows Server 2003 / 2008 / 2008R2 / 2012 / 2012R2; Mac OS 8.6, Linux 1.5.0 or higher
- Rugged & cambered Aluminum shell and wall mountable

| Model No. | | UTS-i102 | | DB-9M Pin Assignment | |
|-------------------------------|--------|----------------------------|---------------------|----------------------|------------|
| Chip | | FTDI | | | |
| Unit Category | | Transmitter | Receiver x 2 | Pin No. | Definition |
| Connector | Host | USB Type B Female x 1 | x | 1 | |
| | Output | RJ-45 Female x 2 | x | 2 | RXD |
| | Input | x | RJ-45 Female | 3 | TXD |
| | Device | x | DB-9 Male | 4 | DTR |
| Interconnection Cable | | Standard Cat.5 / 5e / 6 | | 5 | GND |
| LED | | 5 (2TX / 2RX / ACT) | 3 (TX / RX / PWR) | 6 | DSR |
| Power Mode | | Bus powered | DC5V | 7 | RTS |
| Operating/Storage Temperature | | -40 to 85°C (-40 to 185°F) | | 8 | CTS |
| Housing | | Aluminum | | 9 | |
| Dimension (L x W x H) | | 130 x 74 x 30mm | 90 x 73 x 31mm | | |

