

DESCRIPTION

USB-232 via RJ-45 female Connector using Infineon “Made in USA” Chipset for safe & secure communications. Avoid National Security Concerns related to certain foreign made USB chips.

1. Overview

The USB-232 converter via RJ-45 connector provides a secure, reliable and high-performance serial communication interface between modern USB-enabled devices and legacy RS-232 systems. Built around an Infineon USA-manufactured chipset, this adapter delivers robust electrical characteristics, long-term reliability, and broad OS compatibility.

Avoid a major common security risk related to the potential for a foreign-owned company to access sensitive technology and infrastructure. These concerns also extend to the risks of malware, data theft, and espionage using USB drives, which can be easily exploited by malicious actors to compromise critical systems and sensitive information.

This device converts USB 2.0 full-speed signaling to RS-232 voltage levels and exposes the serial interface on an RJ-45 (8P8C) connector commonly used in networking-style console ports. ***Drivers may be downloaded from <https://ecdata.com/Products/Serial-Interface-Converters/>

2. Features

- Infineon USA-made USB-to-UART/RS-232 controller
- Fully compliant with USB 2.0 full-speed specification
- RS-232 compliant output levels (+/- 12V typical)
- RJ-45 (8P8C) serial output pinout
- Integrated Transient Voltage Suppression (TVS) protection
- Supports baud rates from 300 bps to 1 Mbps
- Hardware flow control: NONE, or RTS, CTS (depending on model)
- Drivers available for Windows, macOS, and Linux
- Low-power operation; powered from USB (no external supply)
- Operating temperature range: -40°C to +85°C

Support and software drivers available if required located at:

. ***Drivers may be downloaded from

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Pin	Signal	Description
1	DSR	Data Set Ready
2	DTR	Data Terminal Ready
3	RTS	Request to Send
4	RXD	Receive Data
5	TXD	Transmit Data
6	CTS	Clear to Send
7	GND	Ground
8	DCD	Data Carrier Detect

