



High-Speed & Full-Speed USB Type-C Serial Adapter Cables

15 March 2021 - Connective Peripherals is now in a position to supply the global market with a broad portfolio of converter cabling solutions fitted with USB Type-C terminals. These new cables from the FTDI-approved module/cabling subcontractor will be of considerable value to engineers, by helping to facilitate the interconnection of modern electronics hardware with legacy equipment and peripherals. Covering USB-to-RS232, USB-to-TTL and USB-to-MPSSE data interfacing, they can be supplied in either Full-Speed or High-Speed versions. Connective Peripherals is currently the only supplier on the market offering High-Speed moulded cables with Type-C terminations. These cables feature lightweight, but robust and reliable, construction and are available in a variety of lengths including 0.1m, 0.5m, 1.0m and 1.8m (dependent on the particular model specified).

Key uses for these FCC and CE compliant cables are in relation to embedded system development and evaluation activities - allowing the functional parameters of prevalent FTDI ICs to be assessed. Among the array of solutions available are:

- The [USBC-FS-UART-5V-3.3V-1800-PH](#) incorporates the FT234XD USB-to-UART bridging IC. This cable provides 3.3V TTL level UART signals and an additional 5V output to power external circuits. It features 1.8m of cabling with 6-way single-in-line 0.1-inch pitch connector.

- Based on the FT232R interface IC, the [USBC-FS-UART-5V-5V-1800-WE](#) cable supports 5V TTL level UART signals and has an additional 5V output to power external circuits. The 1.8m cable has bare wire endings.
- [USBC-FS-RS232-0V-1800-WE](#) cables feature the FT230X USB-to-Serial bridge ICs, along with integrated RS232 level shifters. 1.8m in length, they have wire ended terminations.
- Each [USBC-FS-RS232-100-DB9](#) utilises a sophisticated FT231XS X-Chip series USB-to-Serial IC, as well as an FT3243S RS232 transceiver device to provide RS232 levels on the serial interface. These 10cm cables all come with a DB9 connector.
- Using FTDI's popular High-Speed USB FT232H interface IC, the [USBC-HS-UART-3.3V-3.3V-1800-SPR](#) and [USBC-HS-UART-5V-3.3V-1800-SPR](#) are able to provide USB-to-UART interfacing at high data rates. They use 3.3V UART levels and feature a 3.3V or 5V power output (depending on model). The 1.8m cables connect via ten single-pole receptacles.
- The [USBC-HS-MPSSE-3.3V-3.3V-500-SPR](#) and [USBC-HS-MPSSE-5V-3.3V-500-SPR](#) cables use the FT232H IC to interface Hi-Speed USB to JTAG, SPI and I²C interfaces. They provide 3.3V signals and a 3.3V or 5V power output (depending on model). The 0.5m cable is terminated in ten single-pole receptacles.

Among the other potential areas where these cables may be employed are test instrumentation, debug apparatus, industrial drives and controls, office equipment, point-of-sales units, barcode scanners, etc. A full suite of drivers (for MAC, Windows, Linux, etc.) are available to support them.

To assist customers in solving their connectivity and adaption challenges, the company offers numerous other solutions. There is the [DuoEtte](#) USB to single port RS232 converter. This connects to the PC USB port via a Micro B receptacle and has a male DB9 connector for RS232 interfacing. Then there is the [USB2-H-1004](#) adapter, which features 4 serial ports (RS232, RS485 and RS422 versions all being available). Finally, there is the [USB2-H-1001-M](#) High-Speed USB-to-RS232 adapter with metal enclosure - for which 1, 2, 4, 8 and 16 ports versions can all be sourced (available in RS485 and RS422 options too). Each of these solutions has built-in transmitter/receiver indicators. They are supported by free Windows, MAC and Linux drivers.

About Connective Peripherals

Connective Peripherals Pte Ltd is a supplier of communications and instrumentation products, with expertise in serial connectivity solutions that are based on USB, CAN and RS232/RS422/RS485 interfaces. The company's products encompass adapter boards and cables delivering connectivity between USB and serial interfaces, plus award-winning USB based oscilloscopes, data loggers and logic analysers. OEM and ODM design services are also offered.

Headquartered in Singapore, in the heart of the Asia Pacific region, the company's dedication to quality of service and exceptional technical support has been appreciated by both corporate and individual customers. As a result, its sales have extensively expanded into the global market.

For more information go to <https://www.connectiveperipherals.com>