

Product news



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FTDI offer enhanced range of USB 2.0 to serial UART converter cables

June 8th, 2010 Glasgow, Scotland - Future Technology Devices International Limited (FTDI) today announced the availability of their TTL-232RG family of USB to TTL serial UART converter cables. The TTL-232RG cables build upon the existing FTDI family of USB to TTL cables, by offering new versions to support an extended variety of voltage I/O levels. The cables feature a USB to serial converter PCB encapsulated within a standard type 'A' USB connector with a wire-ended asynchronous UART output. The cables are aimed at providing USB connectivity within applications with serial UART ports. The cables provide a fast and simple method for enabling USB connectivity in such applications, with minimal changes to existing user software.

A range of cables are available to for a variety of voltage I/O levels including +1.8V, +3.3V, +5.0V or at user specified levels, to provide UART interfacing to devices such as MCUs, CPUs or FPGAs at a range of voltage levels. The cables derive power from the USB interface and have integrated voltage regulators removing the need for designers to provide external power or have voltage level shifters on their boards. Further, the

cables can be used to provide an optional power output ranging between +1.8 V and +5.0 V for powering external circuitry.

The TTL-232RG cables feature the FTDI FT232R USB 2.0 to UART converter IC with associated circuitry integrated within the cable USB connector. The FT232R manages the complete USB protocol within the device – meaning that no user knowledge of USB is required. The UART interface supports data transfers at up to 3 Mbps. Using the FTDI's Virtual COM Port (VCP) drivers, users can easily access the UART interface as a (virtual) COM port with existing software applications, removing the need for any redesign. The FTDI D2XX drivers are also available to support application development using high-level software languages. FTDI's royalty free drivers include Microsoft WHQL certified drivers for Window based operating systems, as well as drivers for Linux and Mac OS operating systems. All drivers are freely available for download from <http://www.ftdichip.com/FTDrivers.htm>.

All cables are FCC/CE compliant. The range of USB to UART cables includes:

- TTL-232RG-VSW3V3-WE: USB cable with wire-ended UART connections at +3.3V voltage levels and +3.3V / 50mA rated power output. **Available now.**
Pricing \$21.07 for single quantity.
- TTL-232RG-VREG3V3-WE: USB cable with wire-ended UART connections at +3.3V voltage levels and +3.3V / 250mA rated power output. **Available now.**
Pricing \$24.64 for single quantity.

- TTL-232RG-VREG1V8-WE: USB cable with wire-ended UART connections at +1.8V voltage levels and +1.8V / 100mA rated power output. **Available now.** Pricing \$24.64 for single quantity.
- TTL-232RG-VSW5V-WE: USB cable with wire-ended UART connections at +5V voltage levels and +5V / 450mA rated power output. **Quantities available in August.**
- TTL-232RG-VIP-WE: USB cable with wire-ended UART output connections at user supplied voltage levels. **Available now.** Pricing \$19.45 for single quantity.

Further information on the various cables is available on <http://www.ftdichip.com>.

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About FTDI

Future Technology Devices International (FTDI) specialise in the design and supply of silicon and software solutions for the Universal Serial Bus (USB). FTDI offer a simple route to USB migration by combining easy to implement IC devices with proven, ready to use, royalty-free USB firmware and driver software. The company's single and multi-channel USB peripheral devices come with an easy to use

UART or FIFO interface. These popular devices can be used in legacy USB to RS232/RS422 converter applications or to quickly interface an MCU, PLD, or FPGA to USB. A wide range of evaluation kits and modules are available to evaluate FTDI's silicon prior to design-in.

Vinculum is FTDI's brand name for a range of USB Host / Slave Controller ICs that provide easy implementation of USB host controller functionality within products, and utilise FTDI's tried and tested firmware to significantly reduce development costs and time to market.

FTDI is a fabless semiconductor company headquartered in Glasgow, UK, and has regional sales offices in Oregon, USA, ShangHai, China and Taipei, Taiwan. More information is available at <http://www.ftdichip.com>