



Technological Arts Inc.

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USB-to-TTL Interface Module

USD \$19.00



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Product Info

This module was designed to plug into a solderless breadboard alongside any TTL NanoCore12 or neCore12 module, providing a USB interface and power. It can also be used with our BOBESP12 WiFi module for breadboarding IoT applications. It features an on-board 3.3V regulator, and offers selectable 3V/5V power for your target from the USB port, with fuse protection. Compact layout, features a 2-pin power connector designed to plug directly into your breadboard's power and Ground buss strip.

- provides USB-to-TTL interface function for any TTL [NanoCore12](#) MCU module (not compatible with RS232 versions) or an [neCore12](#) MCU module configured for TTL mode
- works with our [BOBESP12 WiFi module](#) for easy breadboarding of IoT applications
- generic design can be used in breadboard with virtually any microcontroller module
- brings out TTL levels of TXD, RXD, and DTR signals
- based on FT232R chip made by FTDI
- brings 5V from USB to power target (jumper selectable)
- on-board 3.3V regulator can supply target power for low-voltage operation
- standard miniB USB connector
- green and yellow activity LEDs provided for RX and TX monitoring
- 500mA polyfuse protects host computer's USB port from accidental shorts

- small footprint (0.725x0.85 inches; 18.5x22mm)
- 4-pin row on 0.1" centers lines up with target module pins 1 through 4 via solderless breadboard
- 2-pin power connector plugs into solderless breadboard power bus strip (compatible with most breadboards)
- jumper selectable 3.3V or 5V (or none)

Product Details

Your target board and attached circuitry can draw up to 500mA from a USB port on your computer; less, if it is plugged into a hub

Resources

Drivers for the FT232R USB chip used in this design are available from www.ftdichip.com

The schematic diagram for this board is available [here](#)

App note: [Configuring Virtual ComPorts](#)

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[Vendor Information](#)