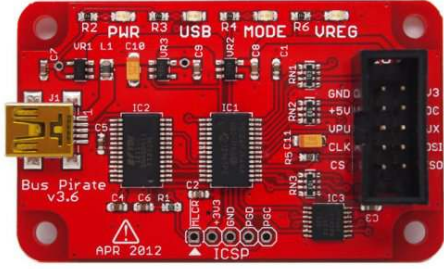


Bus Pirate v3.6 universal serial interface

SKU: 102990038



(images/product/Bus Pirate v3.6interface_01.jpg)

Bus Pirate v3 (http://dangerousprototypes.com/docs/Bus_Pirate) is a universal bus interface that talks to electronics from a PC serial terminal. Get to know a chip without writing code. Eliminates a ton of early prototyping effort with new or unknown chips. A laser cut acrylic case for Bus Pirate v3.6 (http://www.seeedstudio.com/depot/bus-pirate-v36-acrylic-case-v1-dp6037-p-1229.html?cPath=178_184%EF%BC%89) is also available.

Protocols

1-Wire, I2C, SPI, JTAG, asynchronous serial (UART), MIDI, PC keyboard, HD44780 LCDs, and generic 2- and 3-wire libraries for custom protocols.

Features

- USB interface, USB powered
- 5volt tolerant pins
- 0-6volt measurement probe
- 1Hz-40MHz frequency measurement
- 1kHz-4MHz pulse-width modulator, frequency generator
- On-board multi-voltage pull-up resistors
- On-board 3.3volt and 5volt power supplies with software reset
- Macros for common operations
- Bus traffic sniffers (SPI, I2C)
- Transparent USB to serial bridge mode
- 10Hz-1MHz low-speed logic analyzer
- Custom support in AVRDUDE (<http://savannah.nongnu.org/projects/avrdude>), Flashrom (<http://www.flashrom.org/Flashrom>), OpenOCD (<http://openocd.berlios.de/web/>)
- AVR STK500 v2 programmer clone
- Scriptable from Perl, Python, etc.
- A bootloader for easy USB firmware updates
- Uses DP6037 standard PCB layout (http://dangerousprototypes.com/docs/Sick_of_Beige_standard_PCB_sizes_v1.0)
- Open source (CC 0/Public Domain)