

## Alternative USB Cable & Driver For Windows MAC Linux

This alternative Current Cost energy monitor USB cable and driver, will require a quick solder job.

This interface uses the Silicon Labs chipset and driver, with the hardware being sourced on Ebay [HERE](#).

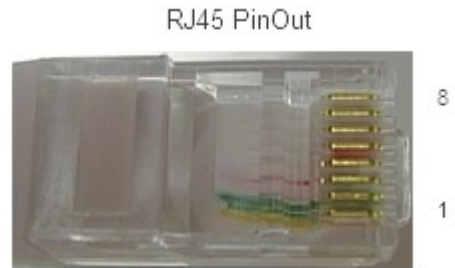
The CP2102 drivers are available [HERE](#) on the Silicon Labs website.



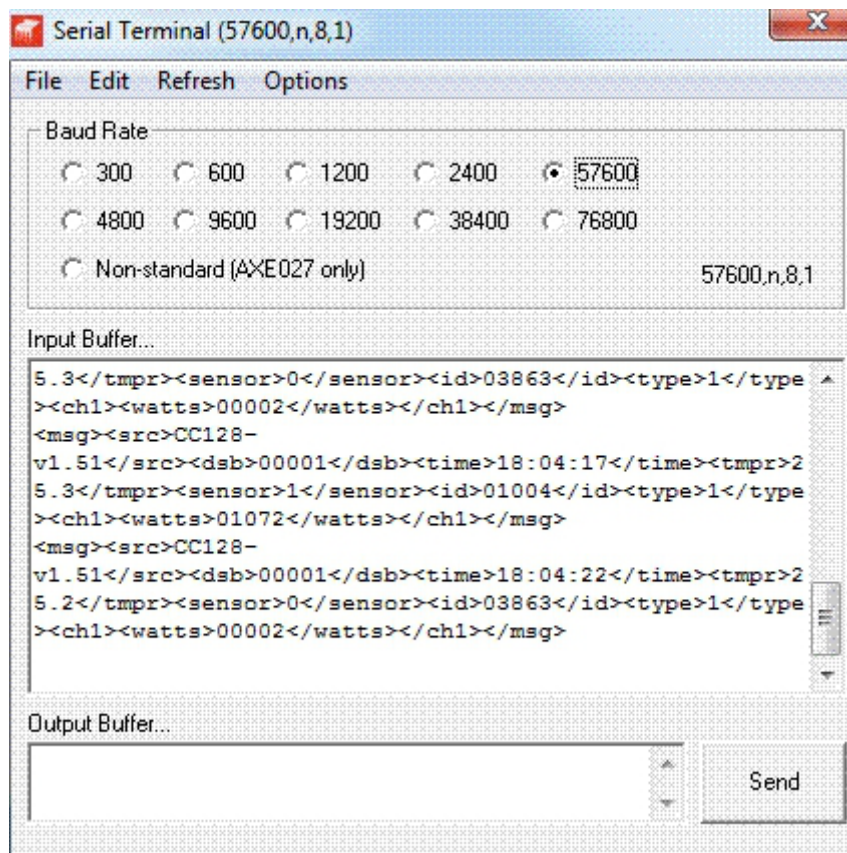
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An RJ45 will need to be added to the cable for connection to the ENVI/R energy monitor. An unwanted LAN cable does the job fine. The pinout / cable colours of the RJ45 on the existing Current Cost Prolific cables are as follows. If you are looking for a ready made cable then CONTACT US.

Chipset		ENVIR RJ
GND	Red	GND 5
TXD	Green	RXD 2
RXD	Yellow	TXD 1



The serial terminal program below shows successful downloading of house total data of 1072 watts received from sensor 0, on a current clamp transmitter. And 2 watts being received from a IAM plug-in transmitter. Data being transferred at 57K.



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### Chipset CP2102 Specifications

- USB specification 2.0 compliant with full-speed 12Mbps.
- Standard USB type A male and TTL 5pin connector. 5pins for 3.3V, TXD, RXD, GND & 5V
- All handshaking and modem interface signals
- Baud rates: 300 bps to 1.5 Mbps.
- Byte receive buffer; 640 byte transmit buffer.
- Hardware or X-On/X-Off handshaking supported.
- Event character support Line break transmission.
- USB suspend states supported via SUSPEND pins.
- Temperature Range: -40°C to +85°C.
- Supports Windows 98SE, 2003, XP, Vista, Window7, Windows 8 Pro Version ONLY, Mac OSX , Linux 2.6.x and 2.4.3

Thanks go to Gordon Waldmann developer of the [CC128 PROFESSOR](#) data logging software, for his initial testing of this alternative option.

This alternative chipset has been tested by AHE on Windows XP3 / 7 Starter with the software options available on our [SOFTWARE](#) page. Our clients have tested the Energeniaal software and this alternative option with success on Windows 8.1.

### Other Information

This alternative replaces the Prolific chipset PL-2303HX found in the Current Cost USB cable interfaces.