



4-Port PoweredUSB 2.0 & RS232 External Hub

The CyberData PoweredUSB and RS-232 Hub enables PoweredUSB connectivity in a standard PC configuration. This hub solution also provides legacy serial device connectivity via two RS232 ports allowing you to use existing RS-232 devices until they are ready for migration.

CyberData's hub solution is the centerpiece of a simple migration strategy for your entire POS environment.

Translation Technology

CyberData's USB 2.0 translation technology allows each PoweredUSB port to communicate to the host PC at 2.0 speeds, even if the attached device is only USB 1.1 compliant.

Features

- Dell Retail Integrator compatible
- Adds 2 Full-Featured RS232 ports
- Adds 4 PoweredUSB ports
- Translation convertor on all USB ports
- One +24 volt at 2.3A
Three +12 volt at 1.5A each
- Short circuit and overcurrent protected
- Designed to support multi-function printer power requirements
- Peripheral power control by stand-by/wake commands
- External LED to show USB port status
- Two year warranty



Compatibility

IBM PC Windows 98SE, 2000, & XP compatible.
Apple Computer & Linux also supported.
USB Standard 2.0 is fully supported.

External Power Supply

24V, 120W power supply included.

PoweredUSB & RS232 External Hub Specifications

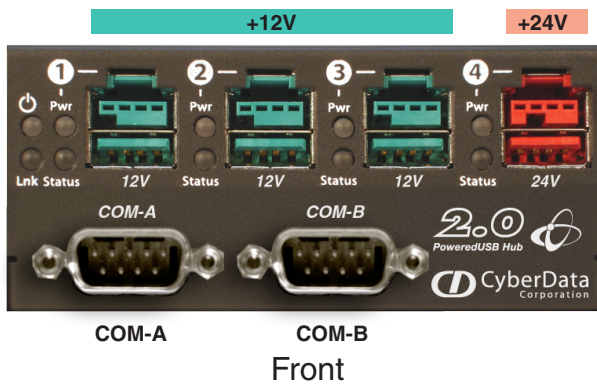
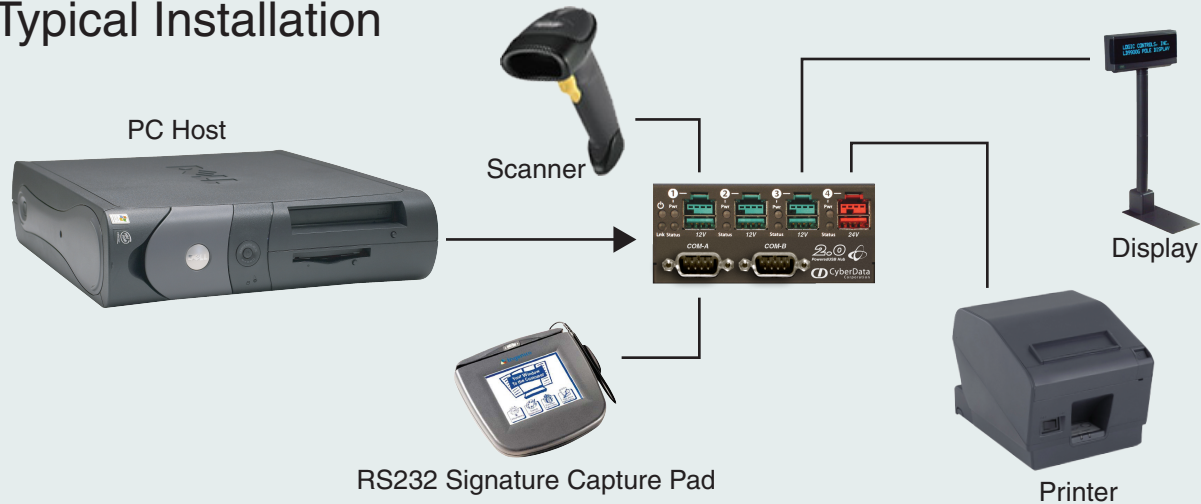
PoweredUSB Ports	4
PoweredUSB Power Output*	1 @ 24V 2.3A 3 @ 12V 1.5A each
RS232 Ports	2 DB9M with power option
External LEDs	Power, link & status
Power Input	24VDC
Regulatory Compliance	FCC Class B, UL 60950-1, CE
Warranty	2 year limited
Part Number	010845

*All ports support standard "A" type +5V USB connection.



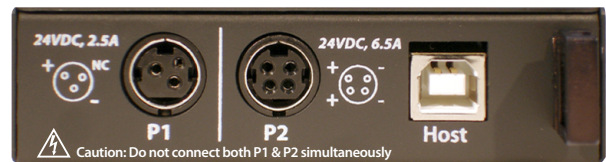
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Typical Installation



Host Connector

The Host connector is a standard USB "A" to "B" type cable. Maximum length is 5 meters (16.5 feet) with good quality cable.



Serial Port Specifications (DB-9 Male)

- Full Duplex Tx/D / Rx/D
- Full Modem Control (RTS, CTS, DTR, DSR, DCD and RI)
- Data Bits: 5, 6, 7 and 8
- Parity: Odd/Even or None
- Stop Bits: 1, 1.5 and 2 Stop Bits Support
- Break Character Support
- Parity and Frame Error Support
- 512 Byte Bi-Directional Data Buffer
- Supports Remote Wake-up from Modem Signal
- Standby Low Power Mode
- Standard Baud Rates: 75bps up to 230.4Kbps
- Pin# 9 is voltage configurable with overcurrent protection

License note:

The Powered-USB controller board contains specific technology covered by a patent held by IBM Corporation. CyberData has obtained a license from IBM that permits CyberData Corporation, among other things, to make or sell products that incorporate this technology. The license also permits these products to be resold by an entity after they have been initially sold by CyberData.

DB-9M Pinout	
Pin#	Signal
1	-DCD
2	RXD
3	TXD
4	-DTR
5	GND
6	-DSR
7	-RTS
8	-CTS
9	-RI or +5V, +12V, +24V

CyberData high quality 2.0 compliant
PoweredUSB cables

<http://www.cyberdata.net/products/poweredusb/pusbccables.html>