

# 4-Port PoweredUSB & RS232 External Hub

Now with advanced DataLine protection

# CyberData

The IP Endpoint Company

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.



## Features

- Adds 2 Full-Featured RS232 ports
- Adds 4 PoweredUSB ports
- Advanced DataLine Protection
- 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

## Advanced DataLine Protection

The CyberData PoweredUSB hub is designed with circuitry that protects the communication and power lines from damage when hot plugging non-PoweredUSB compliant peripherals.

## Compatibility

IBM PC Windows 98SE, 2000, & XP compatible.  
Apple Computer & Linux also supported.  
USB Standard 2.0 is fully supported.  
PoweredUSB.Org .08G compliant

## External Power Supply

24V, 120W power supply included.

## Specifications

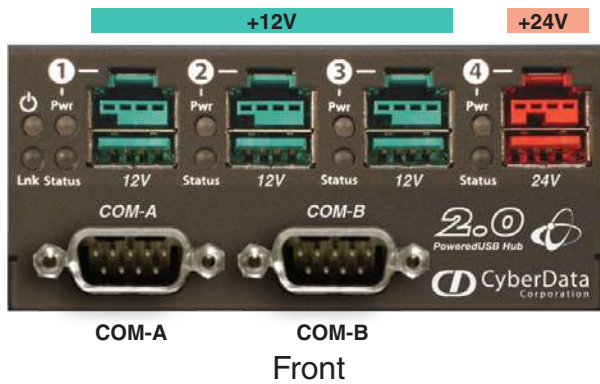
PoweredUSB Ports	4
PoweredUSB Power Output* (Standard)	1 @ 24V 2.3A 3 @ 12V 1.5A each
Port Baud Rates	480Mbps, 12Mbps, 1.5Mbps
RS232 Ports	2 DB9M with power option
Power Input	24 VDC
External LEDs	Power, Link, Status
Dimensions	3.75 inches [95.25 mm] Length 4.25 inches [107.95 mm] Width 1.75 inches [44.45 mm] Height
Weight	1.0 lbs. (0.45 kg)
Boxed Weight	2.6 lbs. (1.15 kg)
Compliance	CE; EMC Directive – Class A EN 55032 & EN 55024, LV Safety Directive – EN 60950-1, RoHS Compliant, FCC; Part 15 Class A, Industry Canada; ICES-3 Class A, IEEE 802.3 Compliant
Warranty	2 year limited
Part Number	010845

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

# 4-Port PoweredUSB 2.0 & RS232 External Hub

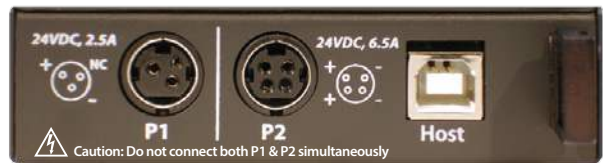
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## Typical Installation



### 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



## 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

### 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

For high quality 2.0 compliant PoweredUSB cables, go to the following website:

<http://www.cyberdata.net/cables/>