



# PoweredUSB

## PCI Host Controller

The CyberData PoweredUSB PCI Host Controller provides a simple and affordable way to add up to 4 PoweredUSB 2.0 ports to a standard PC. This easily installed USB controller connects peripheral devices that require more than the normal 500mA of +5 volts supplied by a standard USB interface.

### Features

- Adds 4 PoweredUSB ports
- Adaptive Power Technology
- Over current protection
- No external power supply needed
- PCI 2.2, UHCI 1.1 and EHCI 0.95 compliant
- Windows® 98/2000/XP and Linux compatible
- Two year warranty
- Configurable PoweredUSB ports

### Adaptive Power Technology For +24V POS printers

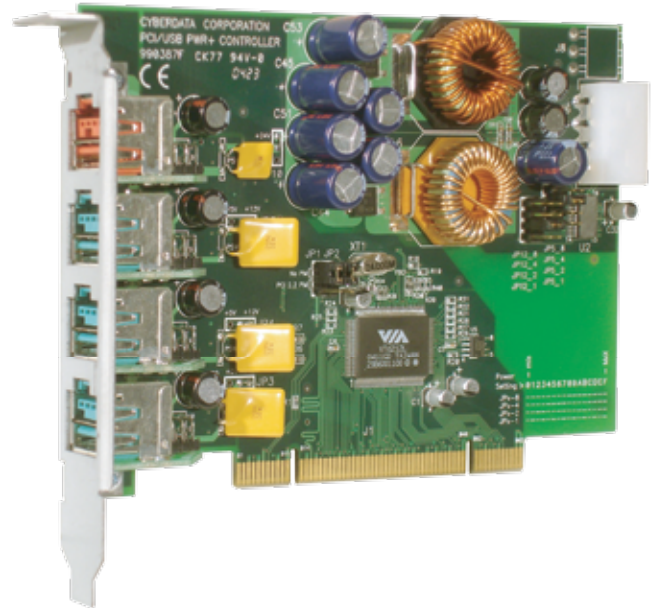
The PoweredUSB PCI Host Controller can supply +5V, +12V or +24V to its four PoweredUSB connectors.

+5V and +12V are derived directly from the host power supply but +24V for POS printers is generated by CyberData's exclusive Adaptive Power Technology.

If adequate +12V current is available from the host PC, +24V is generated by boosting +12V to +24V. On PC's that cannot supply enough +12V current to provide adequate +24V power for high-current POS printers, our Adaptive Power Technology sources its current from multiple inputs to load share current demands from the host PC without overburdening any one supply voltage.

With this technology, PC's with limited power supply capabilities can now be used without the need of a cumbersome external power supply.

The combined current available to all ports is based on the overall current capacity of the host power supply.



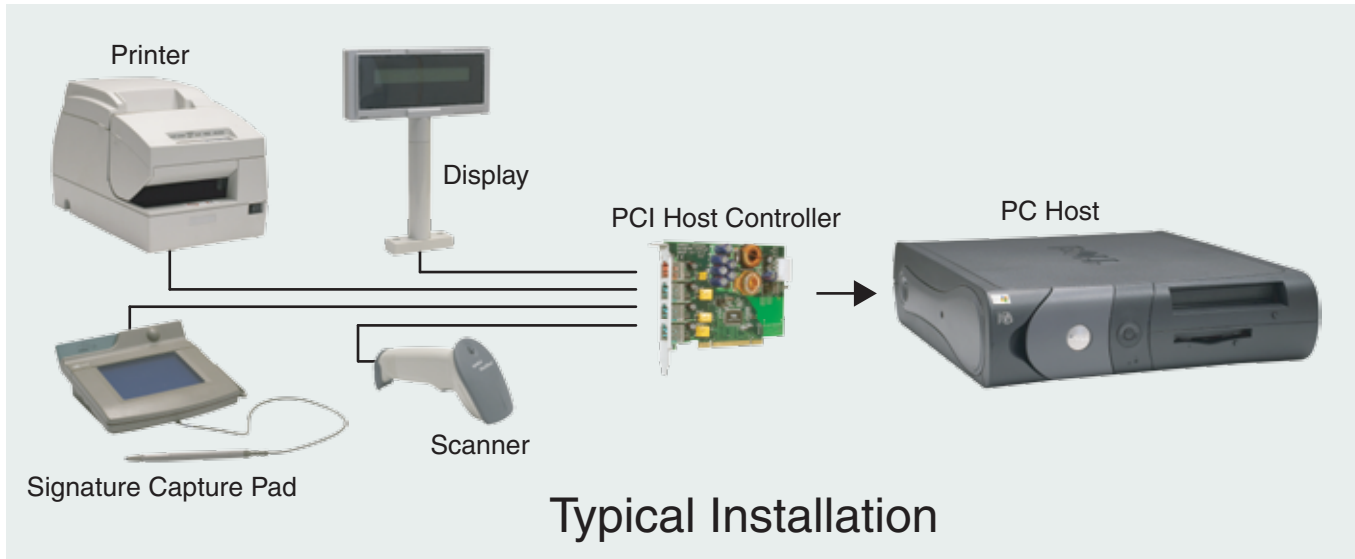
### Powered-USB PCI Host Controller Specifications

Ports	4
Power Output* (Standard)	3@ +12V, 1A 1@ +24V, 2A
Port Baud Rates	1.5Mbps, 12Mbps, 480Mbps
Regulatory Compliance	FCC Class A
Warranty	2 years limited
Part Number	See back page

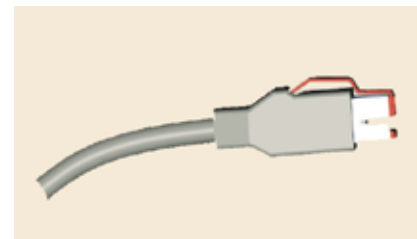
\*All ports support standard "A" type USB connection.



# PoweredUSB PCI Host Controller



PoweredUSB Cable Ordering Options		
Voltage Keying	PUSB Cable Part Number	Application
12 Volt	010855A	Signature Capture/PIN Pad
24 Volt	010921A	Printer
24 Volt	010755B	Printer Power



PoweredUSB Host Interface Cable with Locking Clip

### PoweredUSB PCI Port Configurations

CD# 010655	CD# 010654	CD# 010653
5V 12V 24V	5V 12V 24V*	5V 12V 24V*
P1		
P2		
P3		
P4		

\*24 Volt provided with an internal +12v to +24v boost converter. Current limitations are a function of the PC Power Supply.

\*\* Standard configuration

CUSTOMER SPECIFIED CONFIGURATIONS AVAILABLE

### Standard Pinouts - (plug view)

Pin 8	Pin 7	Pin 6	Pin 5
V Gnd	+Vout	+Vout	V Gnd
Pin 4	Pin 3	Pin 2	Pin 1
Sig Gnd	+Data	- Data	VCC

#### 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 incorporates this technology. The license also permits these products to be resold by an entity after they have been initially sold by CyberData.