



**Models: 301-1001-42, 301-1010-14, 301-1149-01,
301-1150-01, 301-1151-01 and 301-9007-01**

USB Plus Power Series

Powered USB Solutions

Overview

With the proliferation of USB peripheral devices in the point-of-sale (POS) industry, integrators face the challenge of creating an elegant, yet cost-effective retail system that can handle the additional power voltage required for many USB devices like printers, signature capture devices, and bar-code scanners. USB Plus Power, or powered USB, technology was developed as an alternative to externally-powered USB devices. Its unique cabling allows USB devices to receive power from the PC instead of external power supply bricks, maintaining the Plug and Play end user experience typical of USB connectivity.

The USB Plus Power Series makes it easy to add powered USB ports to a standard, low-cost PC, transforming a small footprint CPU into a high-performance retail system. Each solution offers four powered USB ports that are compatible with both standard and powered USB devices. Hubport/4+ is an externally powered hub that connects to a standard USB port. Hubport/PCI+, a card solution, is available in both internally powered and externally powered versions. It utilizes power balancing technology to provide maximum power to 12 volt and 24 volt peripherals without exhausting the PC's five or 12-volt power. For added flexibility, Edgeport/42+ also offers two EIA-232 serial DB-9 ports, allowing the connection of powered USB, standard USB and legacy serial devices in a single box.

Features

- External and internal versions with four powered USB ports - one @ 24V, three @ 12V
- Compatible with standard (type A) and powered USB connectors
- Power balancing technology for efficient power management
- Plug and Play
- Convection cooled design
- Full hardware and software flow control
- Tri-state LED for device status and port activity
- Meets power switching requirements of USB 1.1 specification

Hubport/PCI+.....Models 301-1149-01, 301-1150-01, 301-1151-01, 301-9007-01

- Universal PCI (3.3V and 5.5V) card
- Four powered USB ports
- USB 2.0 compatible
- Baud rates to 480Mbps
- Two power options
 - Full internal power
 - External power supply

Hubport/4+.....Model 301-1010-14

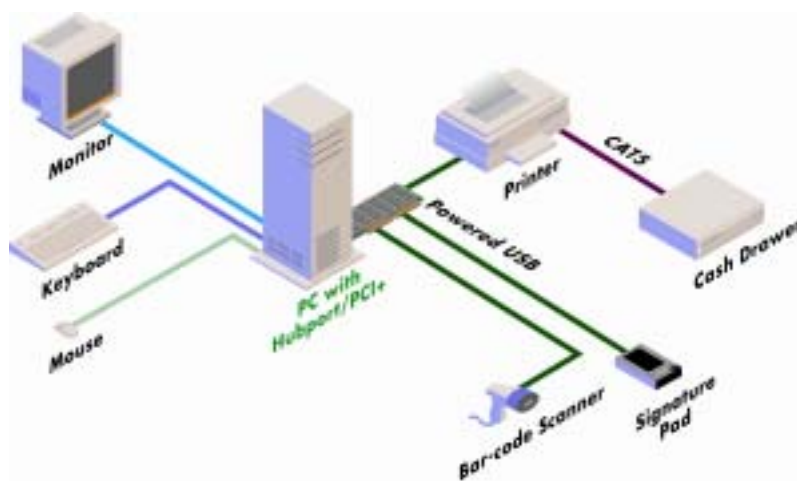
- External to PC
- USB to four powered USB ports
- USB 1.0 and 1.1 compatible; backwards compatible for 2.0
- Baud rates to 12Mbps
- External power supply

Edgeport/42+.....Model 301-1001-42

- External to PC
- USB to four powered USB, two EIA-232 serial DB-9 ports
- USB 1.0 and 1.1 compatible; backwards compatible for 2.0
- Baud rates to 12Mbps
- External power supply

Environmental

- Ambient temperature: 0 to 65° C (32 to 149° F)
- Relative humidity: 0 to 95% (non-condensing)



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Operating Systems

- Microsoft® Windows XP, XP Embedded
- Microsoft Windows NT 4.0, NT Embedded
- Microsoft Windows CE
- Microsoft Windows 2000, Me
- Microsoft Windows 98, SE
- Microsoft Windows 95

Regulatory Approvals

- FCC Part 15, Class B
- CE
- EN55022
- EN55024
- EN60950
- UL 1950
- CSA 2.2 No. 950
- IEC-950

Dimensions**Hubport/PCI+.....Models 301-1149-01, 301-1150-01, 301-1151-01, 301-9007-01**

- Full size PCI card

Hubport/4+.....Model 301-1010-14

- Length: 4.35 in (11.05 cm)
- Width: 7.2 in (18.29 cm)
- Height: 1.75 in (4.45 cm)
- Weight: 10.5 oz (297.67 g)

Edgeport/42+.....Model 301-1001-42

- Length: 4.35 in (11.05 cm)
- Width: 7.2 in (18.29 cm)
- Height: 1.75 in (4.45 cm)
- Weight: 11 oz (311.84 g)

Power Requirements**Hubport/4+ (Model 301-1010-14) and Edgeport/42+ (Model 301-1001-42)**

- Input power
 - Standard external power supply: 72 watt avg., 90 watt peak
 - 100-240V, 50/60Hz, 1.6Amp
- Output power
 - 12V: up to 30 watts
 - 24V: up to 60 watts
 - All combined: up to 72 watts

Hubport/PCI+.....Models 301-1149-01, 301-1150-01, 301-1151-01, 301-9007-01

- Input power
 - Optional standard external power supply: 72 watt avg., 90 watt peak
 - 100-240V, 50/60Hz, 1.6Amp
- Output power
 - 12V: up to 36 watts*
 - 24V: up to 72 watts*
 - All combined: up to 72 watts*

*With external power supply.

Without external power supply, power is limited by available power from PC, up to 72 watts

Ordering Information

Model No.	Name	Description
301-1001-42	Edgeport/42+	4-port powered USB, EIA-232 serial DB-9
301-1010-14	Hubport/4+	4-port powered USB hub
301-1150-01	Hubport/PCI+	4-port powered USB card (internally powered)
301-1151-01	Hubport/PCI+	4-port powered USB card with external power supply
301-1149-01	Hubport/PCI+	4-port powered USB card with external power option (Power supply sold separately. See below.)
301-9007-01	Hubport/PCI+ Power Supply.....	Optional power supply for 301-1149-01

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