

USB Plus Series

Powered USB Solutions

USB PlusPower technology saves space and simplifies retail and medical system architecture by eliminating individual power supply bricks for USB peripheral devices.



Overview

USB peripheral devices such as bar-code scanners, receipt printers and signature capture devices are common elements of traditional retail/POS systems. Many of these devices require external power supply bricks, which can create a tangled mess of cables and power strips. This takes up valuable space and creates more potential points of failure. USB PlusPower, or powered USB technology, was developed to eliminate external power supply bricks for USB devices. Its unique cabling allows USB devices to receive power from the USB PlusPower device instead of external power supplies.

Migrating to USB PlusPower devices traditionally required a specialized, expensive retail system. The USB Plus Series makes it easy to connect powered USB peripheral devices to a basic PC. The USB Plus Series can save space and simplify system architecture by transforming a low-cost PC into a high-performance, powered USB-compatible retail system. Each product offers four powered USB ports with cable locking mechanisms, which are also compatible with standard USB devices.

Target Applications

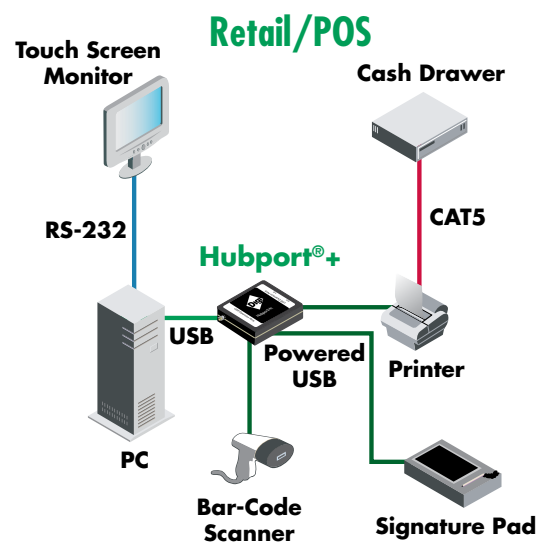


Retail/POS



Medical/Healthcare

Application Highlight



Features/Benefits

- Eliminate individual power supply bricks for USB peripheral devices
- Supplies power and communication signals over hot-pluggable USB cable
- Enables a low-cost, standard PC to become a high performance POS/POC system
- Cable locking mechanism ensures secure connection
- Compatible with standard and powered USB peripheral devices
- Power balancing technology provides maximum power to 12-volt and 24-volt peripherals, without exhausting the PC's 5- or 12-volt power



Specifications

Hubport®/4c+

Interfaces	
USB PlusPower Ports	Port 1 supplies 24 VDC, and Ports 2 through 4 supply 12 VDC
USB PlusPower Data Rates	Active
General Features	
Form Factor	External hub
LEDs	Tri-state LED for device status and port activity
Operating Systems	Windows® 8, Windows 2012, Windows 7, Windows Vista®, Windows Server® 2008, Windows XP®, Windows XP Embedded, Windows CE, Windows Server® 2003 and Windows 2000
Dimensions (L x W x H)	2.61 in x 3.00 in x 1.00 in (6.63 cm x 7.62 cm x 2.54 cm)
Weight	4.20 oz (118.00 g)
Cables	10 in (25.4 cm) captive cable
Other	Compatible with standard (type A) and locking powered USB connectors; Locking power connector; Plug and Play; Convection cooled design; Full hardware and software flow control
Power Requirements	
Power Input	Standard external power supply included: 72 watt avg., 90 watt peak 100-240V, 50/60 Hz, 1.6 Amp
Power Output	12V: up to 30 watts; 24V: up to 60 watts; All combined: up to 72 watts
Power Features	Power balancing technology for efficient power management; Port level power management (toggles 12V/24V power); Meets power switching requirements of USB 1.1 specification
Environmental	
Operating Temperature	0° C to 65° C (32° F to 149° F)
Relative Humidity	0% to 95% (non-condensing)
Regulatory Approvals	
Safety	EN60950, UL 1950, CSA 2.2 No. 950, IEC 950
Emissions/Immunity	CE, FCC Part 15 Class B, EN55022, EN55024

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