

Four RS-422 Ports From The USB Port On Your PC CE Model EDGEPORT/422

Overview

Model EDGEPORT/422 is an intelligent, stackable expansion module that connects to a PC or server via the Universal Serial Bus (USB) port, providing four high-speed RS-422 serial ports. It features easy connectivity for modems, printers, point-of-sale, and industrial control devices that utilize a standard serial interface.



Why USB?

The USB architecture currently provided by Intel®, Microsoft®, and most major PC manufacturers is designed to deliver an industry standard for PC connectivity today. The PC industry is moving rapidly towards a "locked-box" approach to computer design, which means you never have to remove the cover from your computer to add a peripheral device.

By simply plugging in an EDGEPORT/422, you can:

- Add four high-speed serial ports to your PC or server in seconds, using the setup wizard software.
- Eliminate difficult configuration issues associated with high-priced, older card solutions (no PC slots required).
- Avoid the hassle of removing your PC cover, or powering down the operating system during installation.
- Attach additional EDGEPORT/422 modules as needed by snapping in our Model UH4100K powered USB hub.

Imagine never running out of I/O slots!

The EDGEPORT/422 provides the scalability and flexibility to quickly adapt to new technologies. Multiple EDGEPORT/422 modules can be added to a single USB interface, allowing customers to add WAN connectivity as needed. The capability of future connectivity to devices such as xDSL and cable modems means your network can grow with your requirements.

Setup is a wiz!

Simply plug in the EDGEPORT/422, install our wizard configuration software, and you're done! The EDGEPORT/422 USB technology means never having to deal with card slots, IRQ jumpers, DMA channels, or device addresses when installing or connecting peripheral devices. The PC will recognize the device, automatically install the software, and run diagnostics—without rebooting your PC or server.

The bottom line

Since the EDGEPORT/422 is a user installable solution, corporate remote access and point-of-sale users dramatically reduce field installation and downtime costs. The EDGEPORT/422 also provides connectivity to new and existing RS-422 devices, thus leveraging USB technology to deliver a lower Total Cost of Ownership.

FEATURES

- Four high-speed EIA-422 serial ports supporting baud rates from 75bps to 230Kbps
- Fully compatible with USB specification v1.0
- Supports serial devices, including modems, ISDN terminal adapters, printers, and point-of-sale and industrial automation applications
- UARTs are backward compatible with 16550 UART and have 64-byte FIFOs for increased
- Serial performance
- Front panel LED displays device status and serial port activity
- Powered solely from USB bus—no external power supply needed
- Device uses E2PROM for field-upgradable code
- Ideal for connection to 56K modems

B&B Electronics -- Revised January 2001

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OPERATING SYSTEM FEATURES

Device is fully plug-and-play compliant — hot insertion, hot removal. After connecting the device Windows 9x, 2000, and NT prompts the user for drivers and walks user through installation.

SYSTEM REQUIREMENTS

Pentium-class CPU
8MB RAM, 16MB recommended
1 available USB type A (downstream) port
No IRQ, I/O address, DMA, or memory address requirements

TECHNICAL SPECIFICATIONS

Processor: Intel 80930AD
RAM: 32K
EEPROM: 32K
UART: 64-byte FIFOs per port per direction

CONNECTORS

Four DB-9 EIA-422 serial interface connectors
One USB type B (upstream) connector

CERTIFICATION

EMC:	SAFETY:
FCC Part 15 Class B	UL 1950
EN55022	CSA 22.2 No. 950
EN5082-1	EN 60950

ENVIRONMENTAL REQUIREMENTS

Ambient temperature: 32°F to 104°F (0°C to 40°C)
Relative humidity: 0 to 95% non-condensing

POWER REQUIREMENTS

USB bus-powered, consumes less than 500mA at full operating speed.

DIMENSIONS

Length: 4.35 in (11.05 cm) Width: 7.2 in (18.29 cm)
Height: 1.03 in (2.61 cm) Weight: 10 oz (311 g)

1 meter cable included

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