GOVERNMENT APPLICATION

COMTROL'S ROCKETPORT UNIVERSAL PCI INTERFACE OPERATES WITH AND CONTROLS MILITARY BIOLOGICAL DETECTION SYSTEMS

Military technology is developing a system that protects soldiers from bio-warfare, the Joint Biological Point Detection System (JBPDS).

Its duty is to provide early warning and identification of biological warfare agents to supported forces. It will provide biological agent point-detection, identification, and sampling capability for both fixed-site and mobile operations. The system can automatically detect, identify and report up-to-ten agents simultaneously in less than fifteen minutes.

Comtrol's RocketPort uPCI 8-Port Low Profile card and interface connects the many different sensors, triggers, and instruments in the biological data acquisition system and communicate the information in real-time to the control center. The RocketPort product met the durability, reliability, and communication speed requirements of this advanced system.

The JBPDS can be man-portable, installed on-board ships, in shelters, mounted on high-mobility multi-purpose wheeled vehicles, or on trailers. It is to be used by the Army, Air Force, Navy, and Marines in high-threat areas.

The RocketPort uPCI family of multi-port cards handle the transmission of large amounts of data reliably and efficiently. They work with popular operating systems and have an on-board processor to minimize host utilization. They are RoHS 2 compliant under CE, available in a wide array of port densities, interfaces, surge protection, and rack-mount options means there is one to fit your networking needs.

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RocketPort ® uPCI 8-Port Low Profile

Part Number: 99365-0

KEY FEATURES AND BENEFITS

- Universal PCI design supporting 3.3 and 5.0 Volt bus architectures - ensures compatibility with all current PCI bus architectures
- I/O mapping capabilities - simplifies installation, eliminates memory conflicts, and enables plug-and-play compatibility
- RS-232, RS-422 and surge protected DB25 Interfaces available - delivers more options and enhanced capability
- Half-height design - allows installation in standard or low-profile servers
- On-board dedicated 36MHz RISC processor - minimizes “host” CPU utilization
- RS-232 or RS-422 communications support - enables transmit-and-receive speeds up to 460 Kbps
- Transmit buffers 16 times larger, and receive buffers 64 times larger than a 16550 UART - helps ensure smooth, efficient data transfer
- Robust driver support - enables card to work seamlessly with popular operating systems
- RoHS2 compliant under CE

PRODUCT DESCRIPTION

The RocketPort uPCI 8-Port Low Profile serial port expansion card is compatible with all current 3.3 and 5.0 Volt PCI bus architectures. It’s half-height design enables it to be used in both standard or low profile servers. It provides eight “native” serial ports utilizing a single 32- or 64- bit PCI card slot. Several external serial interface modules are available sold separately that support RS-232 orRS-422 serial communications at speeds up to 230 Kbps. Individual serial ports on the same interface can be configured for either RS-232 or RS-422 communication. External interfaces with additional surge protection are also available.

RocketPort products are designed with larger transmit-and-receive buffers than those available in a standard 16550 UART found in standard PC serial ports and low-end serial cards, enabling them to handle the transmission of large amounts of data reliably and efficiently. They also utilize an on-board 36MHz processor, minimizing host CPU utilization. RocketPort products do not require the assignment of interrupts, simplifying installation and eliminating conflicts with other server cards. Drivers are available for popular operating systems. The product is fully RoHS 2 compliant under CE.

COMTROL®

Warranty Information
Comtrol offers a 30-day satisfaction guarantee and 5-year limited warranty.

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