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Find the *Commtech 422/2-PCI* at our website: ***Click HERE***

Fastcom™: 422/2-PCI

Asynchronous Dual Channel RS422/485 Interface Adapter



The FASTCOM: 422/2-PCI adapter is the fastest (1.5Mbps), most advanced, two-port RS422 adapter in the industry. Primarily designed for commercial, industrial, and OEM applications, the FASTCOM: 422/2-PCI features two discrete RS422 channels, complete with RTS and CTS flow control signals.

The advanced 16C850 UART on the FASTCOM: 422/2-PCI features full compatibility with standard 16C550 and 16C650 UARTs, but also provides extraordinary 128-byte receive and transmit FIFOs for buffering. This buffering is extremely important when working with high-overhead operating systems such as Windows NT and 2000 (drivers supplied). The extra-deep FIFOs prevent data loss due to overrun and dramatically improve data throughput in all applications. Our software drivers support all standard baud rates plus a high speed mode capable of up to an amazing 1.5Mbps.

Software examples and drivers are supplied for Windows 98, WINNT, WIN2K, WINXP and Linux. These drivers allow the board to be "just another com port" in the system. Programming is done using the standard WIN32 COMM API.

The FASTCOM: 422/2-PCI is a switchless design that relies on the plug-and-play functionality capability defined in the PCI 2.1 bus specification to determine address ranges and IRQ settings.

The Fastcom: 422 family of adapters includes the single channel Fastcom: 422/1-ISA, the dual channel Fastcom: 422/2-ISA, the four channel Fastcom: 422/4-ISA, the fully isolated single channel Fastcom: IG422/1-ISA, and the dual channel Fastcom: 422/2-104 and four channel Fastcom: 422/4-104 for the PC/104 bus. The Fastcom: 422/4-104 is also available in extended temperature (Fastcom: 422/4-104-ET). A four port PCI bus version is also available, as well as the fully isolated dual channel Fastcom: IG422/2-PCI.

SPECIFIATIONS:

- **UART:** EXAR 16C850 (Data Sheet)
- **INTERFACE:** RS422 / RS485
- **SIGNALS:** TX+, TX–, RX+, RX–, RTS+, RTS–, CTS+, CTS–
- **BUS:** PCI
- **BAUD RANGE:** All standard PC baud rates; easily select any non-standard baud rates from 1 bps to 1.5 Mbps

POWER REQUIREMENTS:

- +5 500mA (typical)

ENVIRONMENT:

- Storage Temperature Range: -20 to +70 C
- Operating Temperature Range: 0 to 70 C
- Humidity: 0 to 90% (non-condensing)

FEATURES:

- CE Certified
- Two independent RS422 / RS485 channels
- **Excellent line noise immunity**
  - Cable lengths up to 4000 feet
- **RS485 Mode:**
  - Up to 32 stations on same "twisted-pair" network
  - **Line driver control:**

        - Direct control of line drivers through RTS, or
        - Automatic control of line drivers under special UART mode using OUT1 SIGNAL
    - RX echo cancel in hardware for 2 wire 485
    - CTS disable function
- **High performance 16C850 UART**
    - Standard on the FASTCOM: 422/2-PCI, no extra charge
- **All standard and non-standard baud rates up to 1.5Mbps**
    - Features on-board clock generator to easily attain non-standard rates without modifying the hardware or changing the clock
- **128 byte FIFOs for improved through-put**
    - 128-byte RX FIFO with programmable level control
    - 128-byte TX FIFO with programmable level control
- No external cable required - interface with 2 DB9 connectors
- Comprehensive hardware and software documentation
- **Designed and manufactured by COMMTECH, INC. Wichita, Kansas, USA**

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Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

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We're here to make your life easier. How can we help you today?

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