PC/104 Radio Modem

Xtreme/104 Radio Modem

Enjoy the freedom of up to 20 miles of reliable wireless communications from your embedded PC/104 application.

Connect Tech’s Xtreme/104 Radio Modems feature the patented frequency hopping, spread spectrum technology of Cirronet’s WIT910, WIT2410, and WIT2450 radio modules. Cirronet’s technology uses a 24-bit Cyclic Redundancy Check (CRC) and Automatic Repeat Request (ARR) mechanism to ensure seamless, error-free delivery.

Communications are immune to electrical noise and multipath fading, even in the noisiest of environments, making them well suited to industrial and factory settings. They are ideal for military applications, industrial and factory automation, oil and gas applications, the medical industry, and traffic control systems, among others.

These boards are FCC-certified and license-free, ready to use in your application. Cirronet’s WIT2410 and WIT2450 modules are also CE marked. They require no additional driver support, appearing as a standard COM port to your operating system.

The PC/104 card offers jumper-selectable I/O addresses and IRQ interrupts in addition to UART-controlled RTS/CTS hardware flow control. Offering low power consumption, these boards require only 5 Vdc, powered via the PC/104 bus.

Connect Tech’s Xtreme/104 Radio Modems are backed by a 12-month warranty and a first-class support team.

FEATURES:

- 900 MHz or 2.4 GHz, incorporating Cirronet’s WIT910, WIT2410, or WIT2450 frequency hopping transceiver modules
- Data speeds between 86.4 Kbps (900 MHz) and 230.4 Kbps (2.4 GHz)
- Radio modem operating ranges of up to 20 miles (900 MHz model)
- Low power requirement of 5 Vdc enables powering from the PC/104 bus
- Point-to-point and point-to-multipoint network deployments
- Store-and-forward repeating forwards data for another module
- I/O address ranges from 0 x 000 to 0 x 7F8 (jumper selectable)
- Operating temperature range of 0 °C to 70 °C
- RTS/CTS hardware flow control
- Jumper selectable IRQ interrupts 3, 4, 6, 7, 9, 10, 11, 12, 14, 15
- Requires no additional drivers, appears as COM port to your operating system