Communications

Wireless

Connect Tech, Inc.
42 Arrow Road • Guelph, ON N1K 1S6 Canada
519-836-1291
www.connecttech.com

PC/104 and Small Form Factors Resource Guide 2007

FEATURES

Communications

900 MHz or 2.4 GHz, incorporating Cirronet’s WIT910 or WIT2450 frequency hopping transceiver modules
Data speeds between 86.4 Kbps (900 MHz) and 230.4 Kbps (2.4 GHz)
Low power requirement of 5 VDC enables powering from the PC/104 bus
I/O address ranges from 0x000 to 0x7f0 (jumper selectable)
RTS/CTS hardware flow control
Requires no additional drivers, appears as a COM port to your operating system

Wireless

WinSystems, Inc.
715 Stadium Drive • Arlington, TX 76011
817-274-7553
www.winsystems.com

PC/104 and Small Form Factors Resource Guide 2007

FEATURES

Wireless

IEEE 802.11b/g Wi-Fi wireless LAN support
Up to 54 Mbps at 2.4 GHz
Industry standard wireless LAN security
Supports single or dual antennas
Available with or without a 802.11 module installed
Developer’s kit available

For more information, contact: sales@connecttech.com
RSC# 32922 @ www.smallformfactors.com/rsc

For more information, contact: info@winsystems.com
RSC# 32952 @ www.smallformfactors.com/rsc

Connect Tech Inc.
Industrial Strength Communications

PC/104 Radio Modem

Xtreme/104 Wireless Radio Modems combine Connect Tech’s PC/104 serial expertise with Cirronet’s proprietary Frequency Hopping Spread Spectrum (FHSS) technology. The result is a device that is low on power consumption and high on power.

Cirronet’s FHSS technology uses a 24-bit Cyclic Redundancy Check (CRC) and an Automatic Repeat Request (ARR) to ensure seamless, error-free delivery. Available in 2.4 GHz or 900 MHz frequencies, up to 20 miles of uninterrupted data transmission can be achieved in line of sight environments through point-to-point or point-to-multipoint access.

Xtreme/104 Radio Modems are well suited for industrial or factory environments and ideal for SCADA systems, the transportation industry, military, medical, or oil and gas applications.

For more information, contact: sales@connecttech.com

PPM-Wireless

The PPM-Wireless offers a high-speed, industrial data network based upon 802.11 Mini PCI modules. It is a wireless Ethernet utilizing a TCP/IP protocol stack, which simplifies cabling, installation, and configuration issues. An SMA external connector enables the selection of the appropriate antenna for the application.

The PPM-Wireless is shipped either with an empty Mini PCI socket so that the user can select their own cards from Intel, Broadcom, Foxconn (Atheros), and others; or with an Intel® PRO/Wireless 2200BG Mini PCI card installed by WinSystems.

WinSystems specializes in designing and manufacturing embedded computers for industrial applications. They are recognized as a leading supplier of embedded PC board-level products.

For more information, contact: info@winsystems.com

WinSystems®