

MICROBEE Systems

PCFW-104 900 MHz & 1.3 GHz PC/104 Radio Modem

Innovative Solutions for Defense and Industry

The PCFW-104 OEM module, manufactured by [MicroBee Systems](http://www.microbee-systems.com), incorporates the [FreeWave M-series](#) long range data radio. Designed for compact embedded systems requiring extreme long range data transmission, this PC/104 module is ideal for UAV control, remote process monitoring, vehicle and aircraft tracking.

- 3.6W x 3.8L x 0.6H inches.
- 100% compatible with 900 MHz FreeWave radios.
- Available with the new P Series 1.3 Ghz Military Data Radio!
- Full 16 Bit Bus Address Decoding..
- External or on board setup.
- Address ranges from 0x000 to 7FF.
- Interrupt levels 3, 4, 5, 7, 10, 11, 14, 15
- Tested with DOS, WIN32, Linux, QNX and Windows CE.NET.
- Native support requires no additional drivers.
- Fully NS16C550 UART compliant.
- High Speed - 115.2 Kbps true throughput.
- Long Range - 60+ mile line of sight range.
- Error Free Communications - 32 bit CRC with automatic retransmission.
- Low Power Consumption - Less than 60 mA in full time receive, and 5 mA in sleep at 12 volts.
- Repeater and simultaneous Slave and Repeater function all in a single radio.
- Noise Immunity - Superior Performance in noise congested environments.
- Secure - Proprietary spread spectrum technology prevents detection and unauthorized access.



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