Troy WindConnect I Device Description

The WindConnect I (WC I) is a BlueTooth™ print-server allow users of laptops, PDA's, cell-phones, and other device to print wirelessly using spread spectrum technology.

The device utilizes 80 channels in a frequency hopping scheme from 2402MHz to 2480MHz, and with its printed circuit antenna, transmits a maximum power of 0dBm (1 milliwatt) using Gaussian Frequency Shift Keying (GPSK). It has a useful range of approximately 30ft. which is classified as a BlueTooth™ class 3 device.

The WC I is powered by common 5 Volt DC wall adapter transformers supplying 400mA or more and is capable of being powered directly form the Centronics type parallel interface on many types of printers. The WC I is a "dongle" type device and is designed to plug directly to the parallel connector on many printers. It also has the capability of BlueTooth™ enabling many serial accessories via an RS-232 interface supplied as an RJ45 connector.

The major components of the WindConnect I are a Motorola MC68LC302 microcontroller, a high speed parallel port host interface chip, 1 Mbyte SRAM, 1 Mbyte field upgradable FLASH memory, a Texas Instruments BlueTooth™ baseband-controller, and a Texas Instruments BlueTooth™ radio-modem IC, and a printed circuit antenna.