



WindConnect™ Bluetooth™ Print Adapter

Communicate Without Cables!

The TROY WindConnect enables *Bluetooth* wireless communications capabilities on printers and other devices. By using the WindConnect, users with *Bluetooth* enabled laptop computers can send jobs to a printer without connecting a cable to their computer. Although the WindConnect is especially well-suited for wireless printing, it can also be used for general-purpose wireless cable replacement applications.

The WindConnect is a small box that can plug directly into the parallel port of the printer for maximum compactness. It also includes a serial interface for connecting RS-232-compatible devices over a *Bluetooth* wireless communications link, so it can operate with a wide range of different kinds of devices and applications. If the printer provides 300mA@+5V on pin 18 of the parallel port, the WindConnect can be used without an external power supply.

The WindConnect is simple to use. It supports the Service Discovery Protocol (SDP) to allow the receiving device to be discovered by any sending device that supports the SDP protocol. It can operate in any of the following modes:

- **Serial Port Profile (Cable Replacement).** This mode allows devices that support the *Bluetooth* Serial Port Profile to send data wirelessly to an RS-232 serial or IEEE 1284 parallel device. The data is passed unmodified to the receiving device. In this mode, the sending and receiving devices look to the software as though they are communicating via a hardwired RS-232 connection. Therefore, the WindConnect can be used with any printer that supports printing over the serial port (although the actual physical connection between the PAD II and the printer can be parallel, the sending device thinks it is communicating to a serial device). With Windows systems, this means that standard printer drivers like the HP LaserJet 5 driver can be used, so no special software needs to be installed on the PC. In addition to printing, the WindConnect can be used with a variety of other applications that require serial port connectivity (modem controls are not supported except for flow control).
- **Object Push Printing Mode.** This mode allows cellular telephones and other devices that support printing using the *Bluetooth* Object Push Profile to send vObjects wirelessly to an RS-232 serial or IEEE 1284 parallel printer. The WindConnect translates the vObject into ASCII data so that it can be printed out on most popular types of printers.

*Versatile Bluetooth Interface
for Parallel and Serial Printers*



*Wireless
connectivity*



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- **LAN Access mode.** This mode allows devices that support printing using TCP/IP and PPP to send binary files wirelessly to an RS-232 serial or IEEE 1284 parallel printer or other device. The data is sent unmodified to the receiving device. Any popular TCP/IP printing protocol, such as lpr/lpd, can be used in this mode.

The WindConnect features flash memory, so it can be easily upgraded when new features like the *Bluetooth* Printing Profile are available. An external switch is also included for printing a test page, entering diagnostic mode and resetting the unit to its factory defaults.

Compatible and Easy to Use

The WindConnect is compatible with any *Bluetooth* sending device that can print using the Serial Port Profile, the LAN Access Profile, or the Object Push Profile. It has already been successfully tested with TROY, Digianswer, Toshiba, IBM, 3COM, and Xircom *Bluetooth* PCMCIA cards, as well as with Ericsson *Bluetooth* mobile phones and with Socket *Bluetooth* compact flash cards. In addition, it can be used in a back-to-back mode in which the sending device is connected to one WindConnect and the receiving device is connected to a second WindConnect (the parallel port can only be used on the receiving device).

For laptop users that have Motorola/Digianswer, Toshiba, or IBM *Bluetooth* PCMCIA cards, TROY XCD's *Bluetooth* port monitor makes wireless printing easy. This Windows 98/2000/ME/XP software package combines the discovery and printing processes into a single point-and-click interface, eliminating the need to run separate utilities for each print job. The port monitor is compatible with virtually all Windows application programs and most standard Windows printer drivers (the driver must support printing to a serial port).

Who is TROY Group?

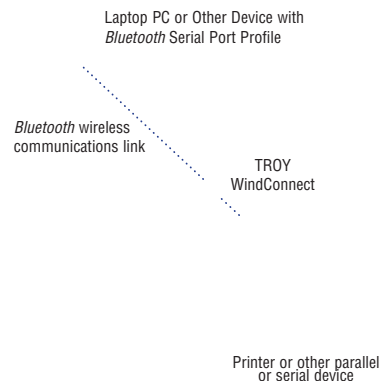
TROY Group, Inc. (NASDAQ:TROY) designs, develops and markets technology solutions for businesses and consumers in the areas of wireless and connectivity solutions and electronic payment systems. TROY's wireless and connectivity products include a wide range of products that enable users of intelligent devices such as PCs, cellular telephones, personal digital assistants (PDAs), printers and digital cameras to exchange information with each other over either wireless or wired networks. Its wireless products are hardware and software solutions that address Bluetooth™ and 802.11b, which are the two emerging industry standards for short-distance wireless communications within a single building.

TROY Group, Inc. has over 200 employees and has offices and subsidiaries in the United States and worldwide.



TROY WindConnect Bluetooth Print Adapter

Speed	Up to 600Kbps
Dimensions	6.5 x 2.5 x 11.7 cm (2.6 x 1 x 4.6 inches)
Weight	3.6 ounces (102.1 grams) without power supply
DC Power	300 mA @ +5V (from external power supply or from pin 18 of the printer's Centronics port, if available)
AC Power	115VAC 60Hz external adapter (U.S.); 100 to 240VAC 50/60Hz external adapter (international)
Connectivity	(1) 1284 parallel, (1) serial RS-232 interface
Bluetooth Radio	Class 3 0dBm radio (10 meters maximum distance)
Bluetooth Profiles	Serial Port Profile, LAN Access Profile, Object Push Profile, Service Discovery Profile
Operating Systems	Any operating system that provides printing functionality using one of the supported Bluetooth profiles; TROY port monitor software is supported on Windows 98, ME, 2000, and XP



WindConnect Example Application

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