

# Bluetooth PCI-Adapter BluePCI Class I + II

The new **Bluetooth** PCI adapter card will turn any PC into a Bluetooth access point. It supports all major Bluetooth profiles, enabling you to use this exciting new technology to wirelessly connect your Bluetooth peripherals like modems, printers, and many more.

The accompanying software makes it extremely simple to connect to other Bluetooth devices. Once a connection is established you can use these Bluetooth devices with the same ease and reliability as if they were connected via cable.

The external antenna can be positioned as needed to allow for optimal radio transmission, even under difficult conditions. You may also use special antennas if required by your application.

## Compatibility

The **Bluetooth** PCI Adapter is fully Bluetooth 1.1 compliant. It comes with software support for the Windows 98, Windows ME, Windows NT, Windows 2000 and Windows XP operating systems as well as Linux.

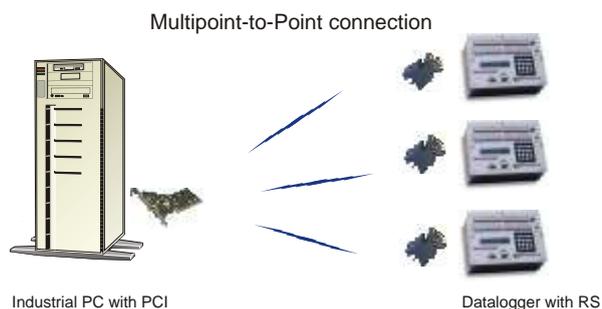
The standardised Bluetooth HCI H4 interface ensures compatibility with future Bluetooth software.

## System Requirements

A standard X86 PC running one of the operating systems supported by the Bluetooth PCI Adapter software. Currently there is software support for Windows 98, , ME, NT, 2000, XP and Linux.

The hardware requirements mainly depend on the operating system. For Linux at least an I386 compatible CPU, 16 MByte main memory, 4 MByte free hard-disk space, a CD-ROM drive and a free PCI slot are required. For Windows operating systems the **Bluetooth** PCI Card will run in every PC meeting the requirements for the installed version.

## Application example



## FEATURES

- Embedded Bluetooth 7 Protocol Stack
- External Antenna
- Class 1 + 2 Bluetooth7 Device
- Bluetooth 1.1 compliant
- Range up to 30m with Class 2 and up to 100m with Class 1

## OPERATING SYSTEMS

- Windows 98
- Windows ME
- Windows NT
- Windows 2000
- Windows XP
- Linux

## PROTOCOLS

- L2CAP
- Bluetooth HCI
- SDP
- RFCOMM

## BLUETOOTH7 PROFILES

- Generic Access Profile (GAP)
- Service Discovery Profile (SDP)
- Serial Port Profile (SPP)
- LAN Access
- Dial Up Networking
- Fax

## Specifications

### Bluetooth Interface

Supported Bluetooth Profiles :

- Serial Port Profile (SPP)
- Dial Up Networking (DUN)
- LAN Access Profile (LAP)
- Generic Access Profile (GAP)
- Service Discovery Profile (SDP)
- FAX

### Bluetooth Qualification

All products are Bluetooth qualified according to the Bluetooth 1.1 specification

### Configuration Software

Configuration Software for Windows 98, Windows ME, Windows 2000, Windows NT 4, Windows Xp and Linux .

### Environmental

Storage temperature : -40 - +85°C  
 Recommended operating conditions : -20 - + 75°C  
 Maximum operating temperature : -20 - +75°C



**PCI**



**PCI/CL-1**

Short description	Bluetooth PCI-Adapter Bluetooth Class 2 (30m / 100ft)	Bluetooth PCI-Adapter Bluetooth Class 1 (100m / 300ft)
Frequency range	2,402 – 2,480 GHz	2,402 – 2,480 GHz
Output power	+3 dBm ( up to 30m / 100ft )	+20 dBm ( up to 100m / 300ft )
Power supply	5 Volt through PCI Bus 250 mA maximum	5 Volt through PCI Bus 300 mA maximum
Antenna	External Antenna SMA-Connector	External Antenna SMA-Connector
Interface	Bluetooth HCI 4	Bluetooth HCI 4
Data Transfer / Speed	up to 723 kBit / second asymmetrical up to 433 kBit / second symmetrical	up to 723 kBit / second asymmetrical up to 433 kBit / second symmetrical
Dimensions (mm)	130 x 120mm	130 x 120mm
Weight (gr.)	50 gr.	50 gr.

July 2004 - All Specifications are subject to change without notice

Package contents :

Bluetooth PCI slot card, external antenna, software and documentation on CD ROM