



## BluePort II – Q & A

**What is the BluePort II?** BluePort II is a Bluetooth serial adapter that can Bluetooth enable any RS232 serial port and allow data to be transmitted and received using Bluetooth enabled client devices.

**How is a connection made?** BluePort II uses the Serial Port Profile and connections are initiated by clients, who first discover a BluePort II and then connect to the device.

**Can multiple simultaneous connections be made?** No, only one at a time.

**Can multiple clients make a connection?** Yes, there is no limit, other than the limit of seven (7) total devices in a Bluetooth piconet.

**Can a single client connect to multiple BluePort IIs?** Yes. Nothing in the design of BluePort or Bluetooth prevents this, however, and many Clients, such as those running the WidComm stack can do this in the standard software. Some software vendors offer SDKs with which a customer can write their own client that can do this.

**What clients are supported?** All known Bluetooth clients which support Serial Port Profile, including Widcomm, Belkin, 3Com, Ambicom, DLink, Symbol, HP/Compaq Pocket PCs, Toshiba laptops and PDAs, IBM cards, Motorola cards, Digianswer cards, Palms with SDIO cards and built in Bluetooth(tungsten).

**Can two BluePort IIs be connected to each other, to enable a single point to point cable replacement?** Yes, Contact Roving Networks for more information.

**Can BluePort II's settings be changed?** Yes! Serial Link settings such as baud rates, can now be configured by the user.

**What physical connectors are available?** BluePort II has a DB9 male connector which has the same pinout as the PC.

**What baud rates are supported?** RS232 signalling at 9.6, 19.2, 38.4, 57.6, 115.2, and 232.4 Kbps are supported. Parity even, odd, or none, 7 or 8 char, 1 or 2 stop bits. (1200, 2400, 4800 can be set at factory).

**How is the device powered?** The device can be powered by an external 5vDC wall adapter, or from the DB9, or an optional battery pack can be purchased which can run the device on a charge from any 5VDC source including the wall adapter.

**What is the range?** BluePort II is a class 1 high power device, and as such can achieve a 100m range. The antennae is internal, and a typical useful range is 100 feet in an office environment. Actual range depends upon environment and the type of client, for example, a class 2 client will limit the range to <30' due to the low power transmitter on the client. An optional SMA jack for connecting an external antenna will be available.

**What is the power consumption?** BluePort II only draws 1ma when idle (not connected), and averages 35ma at 3.3VDC when connected and transmitting/receiving data.

**Is hardware flow control supported?** Yes, RTS/CTS handshaking is supported.

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