

# BlueTooth USB Adapter

Model No. : ACT-BT-5000U



**Bluetooth** is the newest wireless solution for short distance connection. Bluetooth uses advanced 2.4Ghz spread spectrum technology and can connect Bluetooth devices up to 10/100 meter. Best of all, unlike traditional wireless networking kits, Bluetooth is a low-cost and low power consumption solution. It is optimized for PAN connect the device with Bluetooth module, such as Notebook, Handset, PDA, Digital camera, and do the data transfer or voice pass through.



- 2.4GHz FHSS technology
- Speed: full 723Kbps data rate
- Up to 10~20 meters range
- Bluetooth™ 1.1 Spec. Compliant
- With multiple function such as Dial-up networking, File transfer, LAN Access...
- Easy to expand the network
- Small size, easy installation, plug and play
- Support Windows 98SE / ME / 2000 / XP

**Application Cross Reference Table:**

Updated time : April. 2002

| Applications                           | PC / Notebook       | Pocket PC        | Mobile Handset                             | Printer | Access Point |
|--|---------------------|------------------|--|---------|--------------|
| File Transfer                          | V                   | V                |  |         |              |
| Active Sync.                           | V                   | V                |  |         |              |
| Object Exchange                        | V                   | V                |  |         |              |
| Network Access                         | V                   | V                |  |         | V            |
| Dial-up Network                        |                     |                  | V  |         |              |
| Series Port                            | V                   | V                |  | V       |              |
| Keyboard/Mouse sharing                 | V                   |                  |  |         |              |
| Has already been tested on below model | Hitacki Flora 270HX | Compaq IPAQ 3870 | Nokia 6310<br>Ericsson T68<br>Ericsson T39 | HP 995C | WNC BAP-200  |

**Bluetooth Specification:**

|                                 |  |
|---------------------------------|--|
| Dimension                       | 50mm x 9mm x 15mm  |
| Weight                          | 7.5 g  |
| <b>Hardware</b>                 |  |
| • Host Interface                | USB Ver. 1.1   |
| • Input Voltage/ Current        | DC 5V/ 150mA (Typical)   |
| • Current Consumption (Typical) | - Standby mode, I <sub>STA</sub> : 25mA<br>- Transmission mode, I <sub>TX</sub> : 80mA |
| • Data Transfer Rate            | 1.0Mbps(Max)   |
| • Antenna                       | Meander IFA  |



**RF:**

|                      |                        |
|----------------------|------------------------|
| • Frequency Range    | 2.402 GHz ~ 2.480 GHz  |
| • Channel Spacing    | 1 MHz                  |
| • Power Class        | Class 2                |
| • Tx Power (Typical) | 0 dBm                  |
| • Rx Sensitivity     | 0.1% BER/ PIN: -70 dBm |
| • Antenna Load       | 50 Ohm                 |

**Software:**

|                       |   |
|-----------------------|---|
| • Operation System    | Windows 98SE / ME / 2000 / XP   |
| • Core Protocol Stack | - HCI (Host Control Interface)<br>- L2CAP (Logical Link Control and Adaptation Protocol)<br>- RFCOMM (RS232 Serial Cable Emulation Profile)<br>- SDP (Service Discovery Protocol)<br>- OBEX (Object Exchange)   |
| • Profile Pack        | - GAP (General Access Profile)<br>- SDAP (Service Discovery Application Profile)<br>- SPP (Serial Port Profile) Client & Server<br>- LAN Access Client & Server<br>- DUN (Dial-Up Networking) Client & Server<br>- FAX Profile Client<br>- GOEP (Generic Object Exchange Profile)<br>- FTP (File Transfer Profile) Client & Server<br>- OPP (Object Push Profile) Client & Server<br>- SYNC (Synchronization Profile) |