

FCC ID: NLF-APBTCS1
Bluetooth Access Point with Broadband Router
Working Theorem

By connected Bluetooth Adaptor Card to PC, Notebook or PDA, integrated with Access Point, that users can link to Local Area Network to access data. In fact, its conception is same as the general traditional Ethernet. The difference is to change the line or cable of user's workstation into wireless transmission. It doesn't need lines or cables, so users can access network data in everywhere of the space. Thus the network becomes much more convenient and unlimited.

Access Point, an ARM7 microprocessor unit to process the transformation between IEEE802.3 and Bluetooth. It allowed 7 Bluetooth Converter Card to connect Access Point by Bluetooth PAN Profile, so that 7 users can link to Internet to access data at the same time.

Working Theorem of Bluetooth Communication:

Adopted 2.4GHz ISM (Industrial-Scientific-Medicine) frequency band, the working frequency is from 2.400GHz to 2.4835GHz. Used HDSS to reduce the interference when transmitting and receiving data with high frequency, moreover, it increases the confidentiality of data. There are 78 channels in HDSS, it transmits and receivers data by jumping in a fixed cycle.

Ethernet

It can link to Local Area Network, ADSL, Cable Modem etc. which are applied to IEEE802.3 (include DHCP, PPPoE, Fixed IP), to complete the connection between main internet.