

54 Mbps Mini Wireless USB Adapter

With GigaFast's Mini Wireless 54Mbps IEEE802.11b/g USB Adapter, it has never been easier to connect a desktop or a laptop to your local area network. Fully Plug-and-Play, GigaFast's versatile Mini Wireless USB Adapter can connect to any access point or router that runs on the IEEE802.11b/g wireless standard and has an operating distance of up to 300 meters outdoors and 100 meters indoors. With up to 128-bit WEP for security, the WF748-CUI ensures secure data transmission without sacrificing performance.



Features:

- Operating distance of up to 300 meters in free space
- 54/48/36/24/18/12/11/9/6/5.5/2/1 Mbps selectable Data Rate
- Support USB 2.0 interface
- WEP/WPA/AES/TKIP (Temporal Key Integrity Protocol)
- Plug-and-Play
- 2.400GHz ~ 2.4835GHz ISM Frequency Band
- Modulation Method:
 - IEEE802.11b: DSSS (Direct Sequence Spread Spectrum)
 - IEEE802.11g: OFDM (Orthogonal Frequency Division Multiplexing)

Specifications:

Standard

- IEEE802.11b & g

Frequency Band

- 2.400 ~ 2.4835GHz ISM band

Spread Spectrum

- IEEE802.11b: DSSS (Direct Sequence Spread Spectrum)
- IEEE802.11g: OFDM (Orthogonal Frequency Division Multiplexing)

Modulation method

- IEEE802.11b: DBPSK / DQPSK / CCK
- IEEE802.11g: BPSK, QPSK, 16QAM, 64QAM

Data Rate

- IEEE802.11b: 1, 2, 5.5, 11Mbps
- IEEE802.11g: 6, 9, 12, 18, 24, 36, 48, 54Mbps

Operation mode

- Ad hoc
- Infrastructure (Access Point is needed)

Transmitter Output Power

- IEEE802.11b: 17dBm
- IEEE802.11g: 14dBm

Receive Sensitivity

- Operating at 11Mbps: <8% @ -85dBm
- Operating at 54Mbps: <5% @ -69dBm

Operating Range

- 100 to 300m, depending on surrounding environment

Antenna

- On board chip antenna

Power Consumption

- Transmit: < 360mA
- Receive: < 290mA

Security

- WEP/WPA/AES/TKIP (Temporal Key Integrity Protocol)

I/O Interface

- USB 2.0

LED

- Green LED indicator

Operating system supported

- Windows 98SE, ME, 2000 and XP

Management

- Windows-based utility

Regulation

- FCC, CE

Warranty

- 3-year Limited & Free Technical Support (US Only)

Functions:



Usage Diagram:

