

## 54Mbps Wireless CardBus Adapter

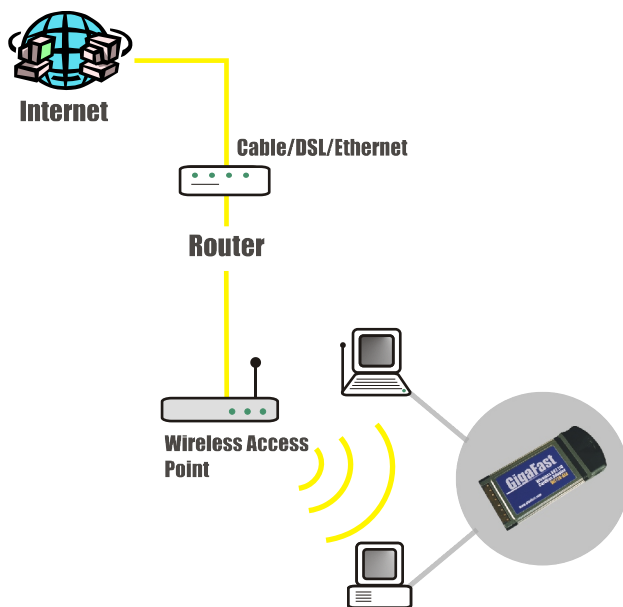
GigaFast's WF729-AEX is an IEEE802.11b/g compliant 54Mbps Wireless CardBus Adapter. Fully Plug and Play, this 2.4GHz Wireless CardBus Adapter plugs into a Notebook PC offering additional mobility in home or office. It connects with any wireless access point or router that runs on the IEEE802.11b/g wireless standard and has an operating distance of up to 300 feet outdoors, depending on surrounding environment. With 128-bit WEP encryption for security, the WF729-AEX ensures secure data transmission without sacrificing performance.



### Functions:



### Usage Diagram:



### Features:

- Speeds of up to 54Mbps
- Standards Compatible with IEEE802.11g and backwards compatible with IEEE802.11b

### Specifications:

#### Standard

- IEEE802.11b/g

#### Frequency Band

- 2.412GHz ~ 2.484GHz ISM band

#### Spread Spectrum

- DSSS (Direct Sequence Spread Spectrum)

#### Modulation method

- IEEE802.11g: OFDM
- IEEE802.11b: CCK / DQPSK / DBPSK

#### Data Rate

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

#### Operation mode

- Ad hoc Infrastructure (Access Points is needed)

#### Transmitter Power

- EIRP: 18dBm
- Output power before antenna: 15dBm  $\pm$  1dBm

#### Receive Sensitivity

- -85dBm @ 11Mbps (ERP-DSSS/CCK)
- -71dBm @ 54Mbps (ERP-OFDM)

#### Operating Range

- 300m, depending on surrounding environment

#### Antenna

- Diversity

#### Power consumption

- Transmit: <300mA, Receive: <250mA

#### Security

- 40-bit or 104-bit WEP, WPA, WPA-PSK, EAP/LEAP, CCX (EAP/LEAP), WPA2-PSK, 802.1x EAP/TLS and 802.1x PEAP

#### Management

- Windows-based utility for configuration and status monitoring

#### Regulation

- FCC part 15B/C, CE

#### Dimension

- 4.8 x 2.2 x 0.3 inches

#### Operating Temperature

- 0°C ~ 55°C

#### Humidity

- 5% ~ 90% (non-condensing)

#### Warranty

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