



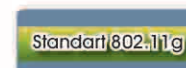
PC60G

Wireless 11g Turbo G PCI Card



The MSI PC60G Wireless 11g Turbo G PCI card offers higher data rate than standard 802.11g based on the MSI Turbo G Mode* technology. Experiencing the high throughput of the MSI Turbo G Mode*, MSI Turbo G series wireless products are highly recommended as your best choices, and are suggested to function with MSI Turbo G series wireless products to optimize performance. In addition, the PC60G comes equipped with the ability to help prevent access to sensitive data on the network to secure over the air transmissions with 64/128-bit WEP, WPA, and WPA2 encryption.

* The compatibility of other brands of wireless products with MSI Turbo G Mode is not guaranteed. Actual throughput value might vary due to environmental, operational and other unexpected factors. (MSI Turbo G Mode support is also required on client/router side, such as the MSI RG60G)



Feature List:

- MSI Turbo G Mode* support

Experiencing the high throughput of the MSI Turbo G Mode*, MSI Turbo G series wireless products are highly recommended as your best choices. MSI Turbo G Mode* is suggested to function with MSI Turbo G series wireless products to optimize performance.

- Interoperable with 802.11b and 802.11g Compliant Device

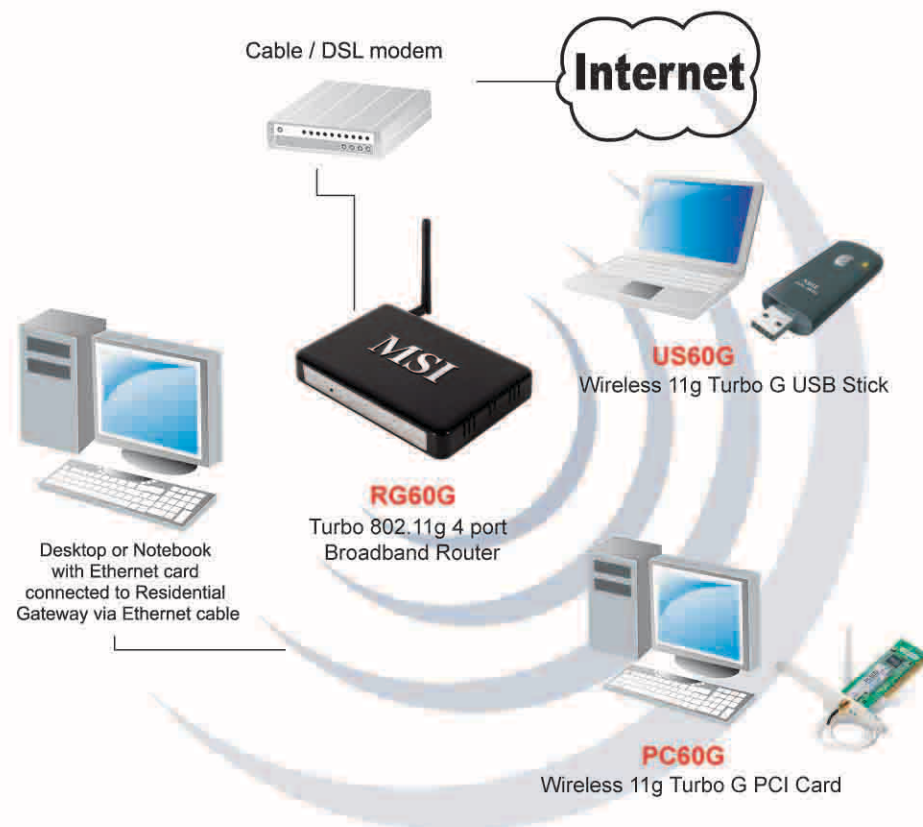
The PC60G is compatible with IEEE 802.11b and 802.11g standard, allowing full interoperability with any IEEE 802.11b and 802.11g certified wireless products.

- Easy to Install

User-friendly web-based interface and step-by-step setup wizard make the PC60G easy to install.

- Secure Transmissions

- WPA2 : Support Wi-Fi Protected Access 2, enhanced WLAN security increase data protection and access control.
- WEP : 64/128 bit secured WEP(Wired Equivalent Privacy) encryption for securing wireless LAN data transmission.
- SSID : Only stations sharing the same SSID(Service Set ID) are allowed to communicate with each other.



Specification:

Network Standard

IEEE 802.11b/g

Frequency Band

2.400-2.4835GHz

Interface

Compliant with the 32-bit PCI v2.2 and above

Special Feature

Support MSI Turbo G Mode* technology

Antenna

Dipole

Data Rate

IEEE802.11g (auto-fallback):

. OFDM: 54, 48, 36, 24, 18, 12, 9 and 6 Mbps

IEEE 802.11b (auto-Fallback):

. CCK: 11, 5.5 Mbps

. DQPSK: 2 Mbps

. DBPSK: 1 Mbps

Media Access Protocol

CSMA/CA witha ACK

Channel

-IEEE 802.11g

Ch. 1-11--N. America

Ch. 1-13--Japan

Ch. 1-13--Europe ETSI

Ch. 10-11--Spain

Ch. 10-13--France

-IEEE 802.11b

Ch. 1-11--N. America

Ch. 1-14--Japan

Ch. 1-13--Europe ETSI

Ch. 10-11--Spain

Ch. 10-13--France

Transmission

IEEE 802.11b (DSSS),

IEEE 802.11g (OFDM)

Modulation

- IEEE 802.11b (DSSS)

CCK@11, 5.5 Mbps

DQPSK@2Mbps

DBPSK@1Mbps

- IEEE 802.11g (OFDM)

BPSK@6, 9Mbps

QPSK@12, 18Mbps

16-QAM@24, 36 Mbps

64-QAM@48, 54 Mbps

Network Architecture

-Ad-Hoc Mode (Peer to Peer)

-Infrastructure Mode

Temperature

-Operating : 0°C to 70°C

-Storage: -20°C to 100°C

Humidity

10% - 90% (non-condensing)

Power Consumption

-802.11g (54Mbps)

330mA@3.3v in continue Tx

250mA@3.3v in continue Rx

150mA@3.3V in Standby mode

-802.11b (11Mbps)

370mA@3.3V in continue Tx

230mA@3.3V in continue Rx

150mA@3.3V in Standby mode

Operating Voltage

3.3V +/- 5%

Output Power

-802.11g: 54Mbps, 14.0+2/-1 dBm

-802.11b: 11Mbps, 17.5+/-2 dBm

Receiver Sensitivity

-54 Mbps OFDM@ 10% PER = -65dBm

-11 Mbps CCK@ 8% PER = -80dBm

Range

Up to 400m (outdoor operating range)

Security

64/128-bit WEP, WPA, WPA2, TKIP,AES,802.1x

Operating System

Windows 98SE/2000/ME/XP/XP 64-bit

Certification

FCC Part 15, CE, DGT, C-Tick, Wi-Fi

Dimension

133.5(L)x121(W)x21.5(H) mm

Weight

46g (without antenna), 82g (with antenna)