

# Wireless 11 G

# CARDBUS

## MN54GCB



The Minitar MN54GCB 54Mbps Wireless CardBus Card provides notebook PC users with an instant wireless connection to their network for sharing files, printers, and other hardware peripherals at home or office. The MN54GCB features the very latest IEEE 802.11g wireless technology to deliver up to 54Mbps data rate in the 2.4GHz frequency. It works with IEEE 802.11b compliant devices and is capable of handling data intensive applications including real-time MPEG video streaming. In addition, the MN54GCB 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 and IEEE 802.11i TKIP encryption as well as WPA support\*.

### Features & Benefits:

#### 54Mbps Data Rate

Nearly five-times faster than IEEE 802.11b, the MN54GCB runs with data-intensive applications including real-time MPEG video streaming – ideal for home or office networking requirements.

#### Interoperable with 802.11b Compliant Devices

The MN54GCB is IEEE 802.11g Compliant and compatible with the IEEE 802.11b standard, allowing full interoperability with any IEEE 802.11b certified wireless products.

#### Easy to Install

User-friendly web-based interface, and step-by-step setup wizard makes the MN54GCB fast and easy to install.

#### Secure Transmissions

- **WEP:** 64 & 128-bit secured WEP (Wired Equivalent Privacy) encryption for securing wireless LAN data transmissions.
- **SSID:** Only stations using the same SSID (Service Set ID) are permitted to communicate with each other
- **WPA:** Wi-Fi Protected Access\* (WPA) support for enhanced security

## Product Specifications:

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### Data Rates

- IEEE 802.11b: 11, 5.5, 2, 1 Mbps
- IEEE 802.11g: 54, 48, 36, 24, 18, 12, 9, 6 Mbps

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### Standard

IEEE 802.11g and IEEE 802.11b

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### Frequency

2.4GHz~2.4897GHz

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### Wireless Radio Type

DSSS (Direct Sequence Spread Spectrum) w/ ACK

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### Modulation Type

- IEEE 802.11g: OFDM
- IEEE 802.11b: CCK, DQPSK, DBPSK

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### WEP Data Encryption Options

64/128-bit

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### Antenna

Dual internal diversity antenna

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### LED Indicators

Power, RF Activity

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### Output Power

- EIRP: • 17 dBm
- Output power before antenna: 14 dBm  $\pm$  1 dB

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### Sensitivity

- Up to -68dBm at 54Mbps (ERP-OFDM)
  - Up to -82dBm at 11Mbps (ERP-DSSS/CCK)
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### Power Consumption

1.45W

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### Dimensions

115 x 54 x 7mm

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### Weight

38.5g

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### Operating Environment

- Operating environment: 0~55°C with AGC
- Humidity: 10 ~ 90% non-condensing

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### Certifications

#### United States

FCC Part 15 class B

#### Europe

CE

#### Australia

C-Tick



\* Requires Windows XP



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