



- ⤵ Compatible with IEEE – 802.11g (54Mbps), 802.11b (11Mbps) and Super G (108Mbps)
- ⤵ Advanced Wireless security with 64/128-bit WEP data encryption standard and WPA
- ⤵ Supports 32-bit CardBus Type II specification
- ⤵ Integrated microstrip dual diversity antenna
- ⤵ Drivers support Windows 2000/XP
- ⤵ Automatic Data Rate Switching for maximum reliability, throughput and connectivity
- ⤵ Atheros Chipset

NetComm's Super G Series

NetComm's Super G Series NP643 is a high performance Wireless PC card that provides incredible speed and range to your Notebook PC. Capable of data transfer speeds up to 108Mbps, the NP643 is also fully backward compatible with 802.11g and 802.11b wireless standards.

Enhanced Security

Enhanced security and focus on wireless interoperability with existing 802.11b/g equipment, the NP643 offers the latest WPA and WEP security features ensuring a secure wireless network. Dynamic Data Rate scaling automatically adjusts wireless transfer speeds to suit network conditions ensuring the best possible wireless performance. The NP643 includes easy installation software which will have your wireless network up and running within minutes.

NP643 Super-G 108Mbps Wireless PC Card

KEY FEATURES

Super G Mode

The NP643 contains the Atheros chipset, which powers wireless transfer speeds up to 108 Mbps when used with NetComm's range of Super G (108Mbps) wireless routers. Delivering Audio and Video files faster than most Wi-Fi wireless networks, the NP643 is ready to support emerging bandwidth intensive technologies such as high definition video conferencing and Video On Demand.

Compatibility

Compatibility with IEEE – 802.11b and 802.11g Wireless standards. This backwards compatibility means you do not need to change your existing hardware to maintain connectivity. The NP643 will operate within a 802.11g (54Mbps) network or even a 802.11b (11Mbps) network.

Security

Data security is critical. The NP643 is armed with industry standard 128-Bit WEP encryption as well as the more advanced Wi-Fi Protected Access (WPA) and Wi-Fi Protected Access – Pre Shared Key (WPA-PSK). These security features provide you with a greater range of options to protect your network from unauthorised users.

Simplicity

Wirelessly connect to other Notebooks and peripherals from a location that is convenient to you. The NP643 gives you the freedom to work outside or within the home or workspace with its incredible wireless range. Connect to a NetComm Modem/Router up to 300 meters away outside or up to 100 meters inside*. Easy installation software will have you set up in minutes.

* Indoor and outdoor coverage depends on environmental interference

TECHNICAL SPECIFICATIONS

RADIO TECHNOLOGY

IEEE 802.11g Orthogonal Frequency Division Multiplexing (OFDM)
IEEE 802.11b Direct Sequence Spread Spectrum (DSSS)

INTERFACE

CardBus Type II specification 32 bit data bus

TRANSMISSION RATE

1, 2, 5.5, 6, 11, 12, 18, 24, 36, 48, 54, 108Mbps (auto sense)
108Mbps for Super-G™ technology

RECEIVER SENSITIVITY

108Mbps: Typical – 71dBm @ 10%PER
54Mbps: Typical – 75dBm @ 10% PER
11Mbps: Typical – 85dBm @ 8% PER

WIRELESS LAN FREQUENCY RANGE

2412 ~ 2484 MHz ISM band (channels 1 ~ 14)

MODULATION SCHEMES

DBPSK/DQPSK/CCK/OFDM

MEDIA ACCESS PROTOCOL

CSMA/CA with ACK

TRANSMIT POWER

Minimum 17dBm typically @ 802.11b
Minimum 14dBm typically @ 802.11g

DRIVER SUPPORT

Windows 2000
Windows XP

SECURITY

64/128-bits WEP Encryption/Decryption
WPA + WPA-PSK (Wi-Fi Protected Access Pre-Shared Key)

RANGE COVERAGE

Indoor: 35 – 100 metres (depends on environment)
Outdoor: 100 – 300 metres (depends on environment)

ROAMING

Full mobility and seamless roaming from cell to cell

CONTINUOUS CURRENT CONSUMPTION

250mA typ. for receive mode
350mA typ. for transmit mode

DIAGNOSTIC LEADS

Power and Link status

OPERATION TEMPERATURE

0 ~ 40°C

STORAGE TEMPERATURE

-10 ~ 70°C

HUMIDITY

10% ~ 95% RH, no condensation

APPROVALS

C-Tick

THREE YEAR WARRANTY*

One year warranty out of the box. Extra two years **free** with online registration at www.netcomm.com.au

*Conditional upon online registration

Your NetComm dealer:

NetComm®
Broadband Solutions

SHARE THE  EXPERIENCE

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