

NP642

Super-G 108Mbps Wireless PCI Card



- Compatible with IEEE – 802.11g (54Mbps), 802.11b (11 Mbps) Wireless and Super G (108Mbps)
- Advanced Wireless security with 64/128-bit WEP data encryption standard, WPA and WPA-PSK
- High Gain removable antenna
- Supports 32-bit PCI interface slot for Desktop PC
- 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 NP642 is a high performance Wireless PCI card that provides incredible speed and range to your Desktop PC. Capable of data transfer speeds up to 108Mbps, the NP642 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 NP642 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 NP642 includes easy installation software which will have your wireless network up and running within minutes.

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KEY FEATURES

Super G Mode

The NP642 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 NP642 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 NP642 will operate within a 802.11g (54Mbps) network or even a 802.11b 11Mbps network.

Security

Data security is critical. The NP642 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 PC's and peripherals from a location that is convenient to you. Eliminate the need for expensive and unsightly cables running through the home or workspace. Easy installation software will have you set up in minutes.

Removable Gain antenna

Powerful 2 dBi antenna providing reliable and concentrated wireless coverage. Removable antenna allows for modification and future antenna upgrade.

TECHNICAL SPECIFICATIONS

RADIO TECHNOLOGY

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

INTERFACE

32-bit PCI interface

TRANSMISSION RATE

1, 2, 5.5, 6, 11, 12, 18, 24, 36, 48, 54, 108Mbps (auto sense)

RECEIVER SENSITIVITY

108Mbps: Typical – 68dBm @ 10% PER
54Mbps: Typical – 71dBm @ 10% PER
11Mbps: Typical – 83dBm @ 8% PER

MODULATION SCHEMES

DBPSK/DQPSK/CCK/OFDM

MEDIA ACCESS PROTOCOL

CSMA/CA with ACK

TRANSMIT POWER

Minimum 18dBm typically @ 802.11b
Minimum 14dBm typically @ 802.11g

DRIVER SUPPORT

Windows 2000
Windows XP

SECURITY

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

WIRELESS LAN FREQUENCY RANGE

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

ROAMING

Full mobility and seamless roaming from cell to cell

RANGE COVERAGE

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

CONTINUOUS CURRENT CONSUMPTION

300mA typ. for receive mode
480mA typ. for transmit mode

DIAGNOSTIC LEDS

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

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