



- ⊗ Compatible with IEEE – 802.11g and 802.11b Wireless Standards for data transfer rates of up to 108 Mbps
- ⊗ Advanced Wireless security with 64/128-bit WEP data encryption standard and WPA (WinXP only)
- ⊗ Compliant with Universal Serial Bus Rev.2.0, 1.1, 1.0 specification
- ⊗ Compact antenna design
- ⊗ 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 NP644 is a high performance 108Mbps USB 2.0 adaptor that provides incredible speed and range to your Desktop PC or Notebook. Capable of data transfer speeds up to 108Mbps, the NP644 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 NP644 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. Just plug the NP644 into any USB 2.0 port on your PC or Laptop, run the setup wizard and you are ready to get wirelessly connected with the minimum of fuss.

NP644 Super-G 108Mbps Wireless LAN USB Adaptor

KEY FEATURES

Super G Mode

The NP644 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 NP644 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 hardware to maintain connectivity. The NP644 will operate within a 802.11g (54Mbps) network or even a 802.11b 11Mbps network.

Security

Data security is critical. The NP644 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.

TECHNICAL SPECIFICATIONS

STANDARDS

IEEE 802.11b
IEEE 802.11g
Universal Serial Bus 2.0, 1.1

RADIO TECHNOLOGY

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

INTERFACE

USB 2.0, 1.1 with Type-A plug

TRANSMISSION RATE

802.11g: Up to 54Mbps (6/9/12/18/24/36/48/54)
802.11b: Up to 11Mbps (1/2/5.5/11)
108Mbps for Super-G™ Technology

TRANSMIT POWER

Minimum 13dBm typically @ 802.11g

RECEIVER SENSITIVITY

108Mbps: Typical - 68dBm(g) @ 10% PER
54Mbps: Typical - 72dBm(g) @ 10% PER
11Mbps: Typical - 84dBm @ 8% PER

WIRELESS LAN FREQUENCY RANGE

IEEE 802.11b/g: 2412 ~ 2484 MHz ISM band
(channels 1 ~ 14)

MODULATION SCHEMES

IEEE 802.11g: OFDM (BPSK, QPSK, 16-QAM, 64QAM)
802.11b: DSSS (DBPSK, DQPSK, CCK)

SECURITY

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

COVERAGE RANGE

Indoor: Up to 100 metres (depends on environment)
Outdoor: Up to 400 metres (depends on environment)

ANTENNA

Built-in antenna 0 dBi gain

CONTINUOUS CURRENT CONSUMPTION

802.11g: TX 400mA (Max), RX 300mA, Standby 30mA
802.11b: TX 350mA (Max), RX 250mA, Standby 30mA

DIAGNOSTIC LEDS

Power & Link/Activity status

OPERATION TEMPERATURE

0 ~ 40C°

STORAGE TEMPERATURE

-10 ~ 65C°

HUMIDITY

5% ~ 95% RH, no condensation

OPERATING SYSTEM SUPPORT

Windows 2000
Windows XP

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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