NETGEAR®

Connect with Innovation™

Super-G® Wireless PC Card
WG511T

Data Sheet

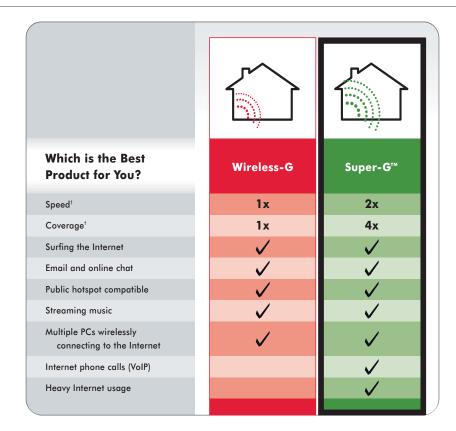**G**
108 MBPS
2.4 GHz
802.11g

Advanced Speed and Range

• Better wireless speeds and range to surf and email

• Extends your network coverage up to 4x more than Wireless-G†

• Easy set up with Smart Wizard® installation software

• Maximum performance requires use with NETGEAR Super-G Wireless Router

Features

• Delivers consistent wireless connections—no more dropped connections or dead spots

• Provides enough bandwidth to support file sharing and multimedia applications†

• Backward compatible with Wireless-G standard products

• Designed for your notebook PC

• Supports Windows® Vista™

SPEED 2x
COVERAGE 4x
Maximum performance compared to Wireless-G, when used with related wireless routers†

Choose the NETGEAR product that is designed to meet your needs.

Which is the Best Product for You?	Wireless-G	Super-G™
Speed†	1x	2x
Coverage†	1x	4x
Surfing the Internet	✓	✓
Email and online chat	✓	✓
Public hotspot compatible	✓	✓
Streaming music	✓	✓
Multiple PCs wirelessly connecting to the Internet	✓	✓
Internet phone calls (VoIP)		✓
Heavy Internet usage		✓

24/7 TECHNICAL SUPPORT®

1-888-NETGEAR (638-4327)
Email: info@NETGEAR.com

†Maximum wireless signal rate derived from IEEE standard 802.11 specifications. Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead, lower actual data throughput rate. NETGEAR makes no express or implied representations or warranties about this product's compatibility with any future standards.

NETGEAR's Super-G Wireless PC Card (WG511T) delivers wireless access to anywhere in your home and boosts your network up to twice the speed and four times the coverage of standard 802.11g connections. Now you get better wireless speed and range to surf, email and send large files across the network. Setup is fast and easy with NETGEAR's Smart Wizard installation CD.

NETGEAR's Super-G Wireless PC Card (WG511T), PCI Adapter (WG311T) and USB 2.0 Adapter (WG111T) are optimized for use with the Super-G Wireless Router (WGT624).

Maximum performance achieved when used with Super-G Wireless Router

Desktop PC connects with Super-G Wireless PCI Adapter (WG311T) or Super-G Wireless USB 2.0 Adapter (WG111T)

Laptop connects with Super-G Wireless USB 2.0 Adapter (WG111T)

Laptop connects with Super-G Wireless PC Card (WG511T)

Super-G Wireless Router (WGT624)

System Requirements
– Notebook PC with Pentium 300 MHz-compatible processor or higher
– Available CardBus PC Card Type II slot
– Microsoft® Windows® Vista™, XP, 2000, 98SE, Me

Physical Specifications
– Dimensions: 119 x 54 x 6 mm (4.68 x 2.12 x .25 in.)
– Weight: 46 g (1.6 oz)

Radio Data Rate
– 1, 2, 5.5, 6, 9, 11, 12, 18, 24, 36, 48, 54 Mbps and 108 Mbps in turbo mode (auto-rate capable)

Frequency
– 2.412 ~ 2.462 GHz (US)
– 2.412 ~ 2.484 GHz (Japan)
– 2.412 ~ 2.472 GHz (Europe ETSI)
– 2.457 ~ 2.462 GHz (Spain)
– 2.457 ~ 2.472 GHz (France)

Encryption
– 40-bit (also called 64-bit) and 128-bit WEP Encryption

Electromagnetic Compliance
– FCC Part 15 Sub Class B

Modulation Type
– OFDM with BPSK, QPSK, 16QAM, 64QAM, DBPSK, DQPSK, CCK

Warranty
– NETGEAR 1-year warranty

Package Contents
– Super-G Wireless PC Card (WG511T)
– Setup CD
– Installation Guide
– Warranty/Support Information Card

NETGEAR Related Products: Wireless
– Notebooks
  – Super-G Wireless USB 2.0 Adapter (WG111T)
  – Wireless-G USB 2.0 Adapter (WG111)
  – Wireless-G PC Card (WG511)
– Desktops
  – Wireless-G PCI Adapter (WG311)
  – Super-G PCI Adapter (WG311T)
– Network
  – Super-G Wireless Router (WGT624)
  – Wireless-G Router (WGR614)

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