

Intelligent Networking Features for a Scalable, Secure Solution

NETGEAR's ProSafe 802.11g Wireless Access Point WG302 delivers the secure, reliable, high-performance wireless local area networks (WLANs) today's mobile workforce demands.

This powerful device provides the ultimate in industry standard access to corporate network resources, email and the Internet. Fully compatible with IEEE 802.11g, (2.4 GHz), it can also be set for dynamic 108 Mbps 802.11g. With its robust security measures, simplified management and configuration, extended range, integrated IEEE 802.3af Power over Ethernet (PoE), and WiFi certification, the WG302 brings standards-based enterprise-level functionality at a mid-market price.

With the emergence of VoIP technology, the WG302 now supports SpectraLink Voice Priority. SpectraLink allows organizations to provide voice priority mechanisms on their wireless network. Support for voice priority with SpectraLink will provide

Security

Complies with industry security standards for wireless data encryption, and user authorization. 802.11i, WPA2 Enterprise provides enhanced, interoperable wireless networking security. WPA and 802.1x support enables strong mutual authentication to ensure that only legitimate clients associate with corporate RADIUS servers. Supports MAC address authentication with 256-user Access Control List (ACL) and VPN pass-through.

Management

Integrated IEEE 802.3af-based Power over Ethernet (PoE) support eliminates extra cables and the need to locate near a power outlet, as the access point is powered over the Ethernet cable. Supports Simple Network Management Protocol (SNMP) MIB I, MIB II, and 802.11 MIB using SNMP-based network management software, such as HP OpenView™. Supports all popular 802.1x port-based authentication protocols, including Extensible Authentication Protocol (EAP) Transport Layer Security (TLS), Protected EAP (PEAP), and Tunneled TLS (TTLS). Console port facilitates local configuration and monitoring. Users can remotely configure, update, and monitor multiple WG302s simultaneously via FTP.

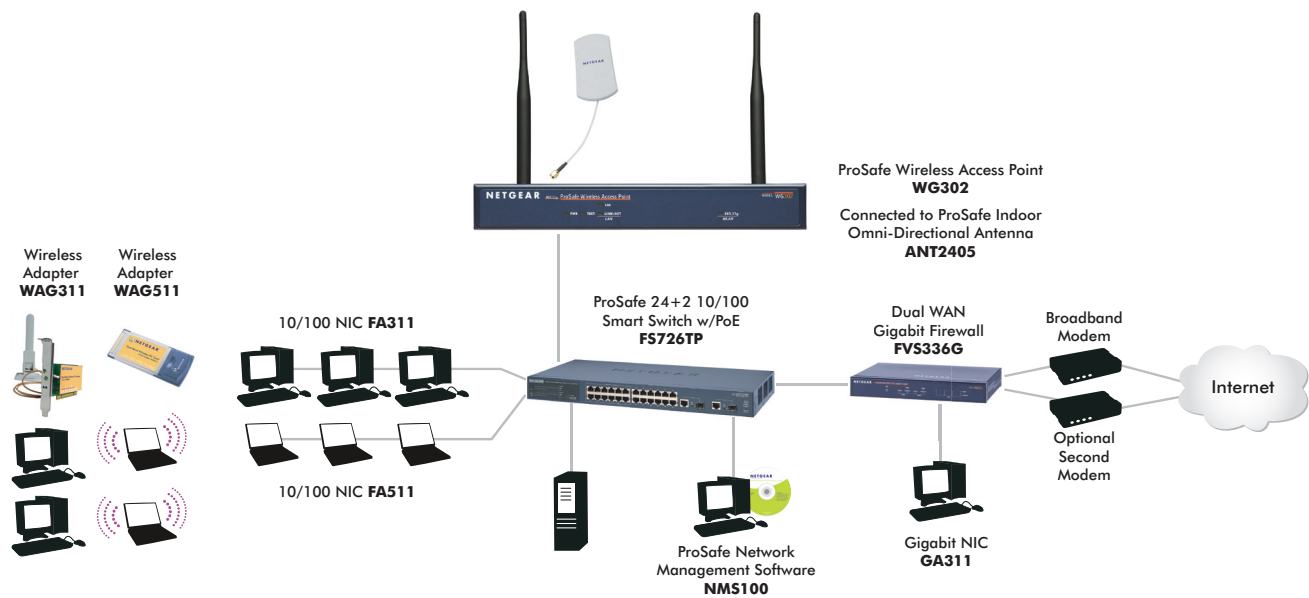
Aptitude

IEEE 802.11g wireless standard – with optional speeds of up to 108 Mbps – takes care of business communications with great dispatch and skill. Delivers functionality for point-to-point and point-to-multi-point bridging and repeater modes.

Usability

Cost effective, simple to install and use. Plenum rated – appropriate for placement above drop-down ceilings and under raised floors. Equipped with convenient Smart Wizard™ browser-based interface. Fitted with two external, detachable 5 dBi antennas – obtain NETGEAR's antenna and flexible point placement accessories separately for expanded wireless capacity and range. IEEE 802.11 e-based Quality of Service (QoS) support makes it easy to handle Voice over IP (VoIP) and multimedia applications. Protected with a NETGEAR Lifetime warranty.





Technical Specifications

• Wireless

- Standards: IEEE 802.11g 54 Mbps
- Antennas: Two (2) 5 dBi detachable
- Typical maximum power output: 19.8 dBm
- Typical maximum receive sensitivity: 96 dB

Note: Maximum Tx varies based on country and/or region selection to ensure local regulatory compliance

• Physical Interfaces

- LAN Port: One (1) 10/100BASE-T Ethernet
- (RJ-45) port with Auto Uplink™ (Auto MDI-X) with IEEE 802.3af Power over Ethernet (PoE) support
- Power adapter: Output 12V DC, 1.2A; plug is localized to country of sale
- Five (5) LEDs: Power, test, 100 Mbps, link/ACT and WLAN 802.11g
- Console Port: One (1) with standard RS-232C interface with DB-9 male connector
- Antenna Connectors: Two (2) reverse SMA

• Network Management

- Remote configuration and management through Web browser, SNMP or telnet with command line interface (CLI)
- SNMP management supports SNMP MIB I, MIB II, and 802.11 MIB

• Advanced Wireless Features

- Bridging and repeater mode
- Simultaneous wireless bridge and access point mode
- Adjustable transmit power control 100 mW down to 0 mW
- Supports voice priority with support from SpectraLink
- Wi-Fi Multimedia (WMM™) to optimize audio, video and voice applications
- Rogue AP Detection

• Receive Sensitivity

- **802.11b**
- 1 Mbps -93 dBm
- 2 Mbps -92 dBm
- 5.5 Mbps -92 dBm
- 11 Mbps -89 dBm
- **802.11g**
- 6 Mbps -93 dBm
- 9 Mbps -90 dBm
- 12 Mbps -90 dBm
- 18 Mbps -88 dBm
- 24 Mbps -84 dBm
- 36 Mbps -80 dBm
- 48 Mbps -76 dBm
- 54 Mbps -75 dBm

• Power over Ethernet Required

- Up to 5.0W

• Security

- Wi-Fi Protected Access 2 (WPA2 enterprise), 802.11i
- Block SSID Broadcast
- VPN pass-through support
- MAC address filtering with access control lists – up to 256 users

- 802.1x RADIUS support with EAP TLS, TTLS, PEAP
- Secure Shell (SSH) telnet
- Secure Socket Layer (SSL) remote management login
- Wireless isolation enables peer-to-peer blocking so users may not access another user's PC
- Ability to configure 8 BSSIDs and VLANs to provide more granular access to the network based upon user type

• Standards, Safety and Electromagnetic Conformance

- IEEE 802.11g (2.4 GHz Frequency Band, DSSS Modulation Type)
- IEEE 802.3af Power over Ethernet (PoE)
- FCC Part 15 Subpart B and Subpart C
- CE EN 60950, EN 300328-2 v1.1.1 (2000-07), EMC EN 301489-1 v1.2.1 (2000-08), and EN 301489-17 v1.1.1 (2000-09), EN 55022(B), CISPR 22(B), AS/NZS 3548(B)

• Physical Specifications

- Dimensions: 25.4 x 17.8 x 3.18 cm (10 x 7 x 1.25 in)
- Weight: 574 g (1.27 lb)
- Processor and memory: Intel® IXP422, 8 MB
- Flash, 16 MB DRAM

• Environmental Specifications

- Operating temperature: 0° to 40° C (32° to 104° F)
- Operating humidity: 90% maximum relative humidity, non-condensing

Warranty

- Access point: NETGEAR Lifetime Warranty†
- Power supply: NETGEAR 3-year Warranty

System Requirements

- Microsoft® Windows® 2000 and XP
- 2 Mbytes of available disk space

Package Contents

- ProSafe Wireless Access Point 802.11g (WG302)
- Two (2) 5 dBi detachable Antennas
- Resource CD
- Power adapter
- Ethernet cable
- Wall-mounting kit
- Installation guide
- Warranty/support information card

NETGEAR Related Products**• Adapters**

- WAG511 Dual Band 802.11a/b/g Wireless PC Card
- WG511T 108 Mbps Wireless PC Card
- WG311T 108 Mbps Wireless PCI Adapter

• Antennas and Accessories

- ANT24O5 5 dBi Omni-directional Antenna
- ANT24O9 9 dBi Indoor/Outdoor Omni-directional Antenna
- ANT24D18v2 14dBi Indoor/Outdoor Directional Antenna
- Three (3) antenna cable lengths: 1.5m, 5m, 10m

ProSupport Service Packs Available

- **OnCall 24x7, Category 1**
 - PMB0331-100 (US)
 - PMB0331-100 (non-US)
- **XPressHW, Category 1**
 - PRR0331

Ordering Information

- Asia & Japan: WG302AJP
- Australia: WG302AU
- Europe: WG302GE
- North America: WG302NA
- United Kingdom: WG302UK

NETGEAR®

350 E. Plumeria Drive
San Jose, CA 95134-1911 USA
1-888-NETGEAR (638-4327)
E-mail: info@NETGEAR.com
www.NETGEAR.com

©2008 NETGEAR, Inc. NETGEAR, the NETGEAR Logo, NETGEAR Digital Entertainer Logo, Connect with Innovation, FrontView, IntelliFi, PowerShift, ProSafe, RAIDar, RAIDiator, X-RAID, RangeMax, ReadyNAS and Smart Wizard are trademarks of NETGEAR, Inc. in the United States and/or other countries. Other brand names mentioned herein are for identification purposes only and may be trademarks of their respective holder(s). Information is subject to change without notice. All rights reserved.

* Free basic installation support provided for 90 days from date of purchase. Advanced product features and configurations are not included in free basic installation support; optional premium support available.

†Lifetime warranty for product purchased after 05/01/2007. For product purchased before 05/01/2007, warranty is 3 years.