



WG302

ProSafe™ 802.11g Wireless Access Point

- *Help is there when you need it! NETGEAR provides 24x7 technical support* in English, with selected local language support during office hours.*

Intelligent Networking Features for a Scalable, Secure Solution

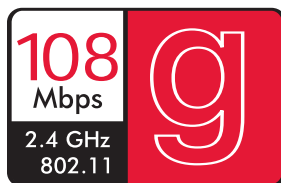
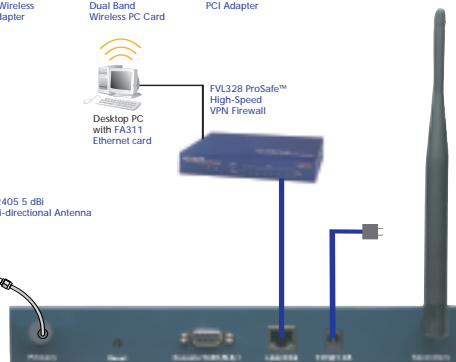
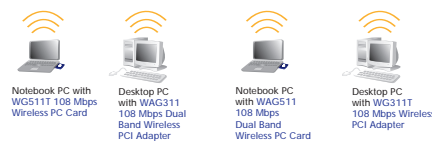
NETGEAR's ProSafe 802.11g Wireless Access Point sets the standard for next-generation high performance, secure, manageable, reliable wireless local area networks (WLANs). This powerful device provides the ultimate in continuous industry-standard 54 Mbps access to corporate network resources, e-mail, and the Internet for a wireless workforce. Fully compatible with IEEE 802.11g (2.4 GHz), it also can be set for dynamic 108 Mbps 802.11g. In addition, it is backward compatible to preserve your 802.11b-based investments, providing a migration path to higher performance networking. Wireless Distribution System (WDS) supplies wireless point-to-point bridging, point-to-multipoint bridging, and repeater functionality for deployment over large areas. Advanced security features include up to 152-bit Wireless Encryption Protocol (WEP) data encryption, Wi-Fi Protected Access (WPA), 802.1x and Virtual Private Network (VPN) pass-through support, and Medium Access Control (MAC) address filtering. NETGEAR ProSafe Wireless Access Point is rated for plenum air spaces.

Security ● Complies with industry security standards for wireless data encryption, user authentication, and user authorization. Delivers state-of-the-art WLAN security with 40/64-, 128-, and 152-bit WEP data encryption. WPA provides enhanced, interoperable Wi-Fi IEEE 802.11b wireless networking security. Includes MAC address authentication with 256-user Access Control List (ACL) and VPN pass-through. WPA and 802.1x support enables strong mutual authentication to ensure that only legitimate clients associate with corporate RADIUS servers.

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 WG302's simultaneously via FTP.

Aptitude ● IEEE 802.11g wireless standard – with optional speeds 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. A fourth mode enables the WG302 to act as a bridge and access point simultaneously. Dynamic rate shifting guarantees the fastest possible connections. Auto Network Connect keeps users connected to the network even while roaming.

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 802.11e-based Quality of Service (QoS) support is available via firmware upgrade. Protected with a NETGEAR 3-year warranty.



Product 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 12 VDC, 1.2 A; 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:**
 - Point-to-point wireless bridge mode
 - Point-to-multipoint wireless bridge mode
 - Repeater mode
 - Simultaneous wireless bridge and access point mode
 - Adjustable transmit power control 100 mW down to 0 mW

- **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	-90dBm
18 Mbps	-88 dBm
24 Mbps	-84 dBm
36 Mbps	-80 dBm
48 Mbps	-76 dBm
54 Mbps	-75 dBm

- **Security:**
 - 40/64-, 128-, and 152-bit WEP encryption
 - 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
 - Wi-Fi Protected Access (WPA)
 - Secure 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
- **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 EN60950, EN 300328-2 v1.1.1 (2000-07), EMC EN301489-1 v1.2.1 (2000-08), and EN301489-17 v1.1.1 (2000-09), EN55022(B), CISPR22(B), AS/NZS 3548(B)
- **Physical Specifications:**
 - **Dimensions:** 190 x 124 x 32 mm (7.4 x 4.8 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, noncondensing
- **Warranty:**
 - NETGEAR 3-year warranty

Package Contents

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

System Requirements

- Windows® 98, Me, 2000, or XP
- 2 Mbytes of available disk space

Antennas and Accesories

- ANT24O5 5 dBi Omni-directional antenna
- ANT24O9 9 dBi Indoor/Outdoor Omni-directional Antenna
- ANT24D18 18 dBi Directional antenna
- Five (5) antenna cable lengths: 1.5, 3, 5, 10, and 30 m

NETGEAR Related Products

- FVL328 ProSafe™ High-Speed VPN Firewall
- FVM318 ProSafe™ 802.11b Wireless VPN Security Firewall
- FVS318 ProSafe™ VPN Firewall
- FWG114P ProSafe™ 802.11g Wireless Firewall Print Server
- FWAG114 ProSafe™ Dual Band Wireless VPN Firewall
- MA701 802.11b Wireless Compact Flash Card
- WAG511 Dual Band 802.11a/b/g Wireless PC Card
- WAG311 Dual Band 802.11a/b/g/ Wireless PCI Adapter
- WG511T 108 Mbps Wireless PC Card
- WG311T 108 Mbps Wireless PCI Adapter
- WG511 54 Mbps Wireless PC Card
- WG311 54 Mbps Wireless PCI Adapter

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* 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.

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