



Intelligent Networking Features for a Scalable, Secure Solution

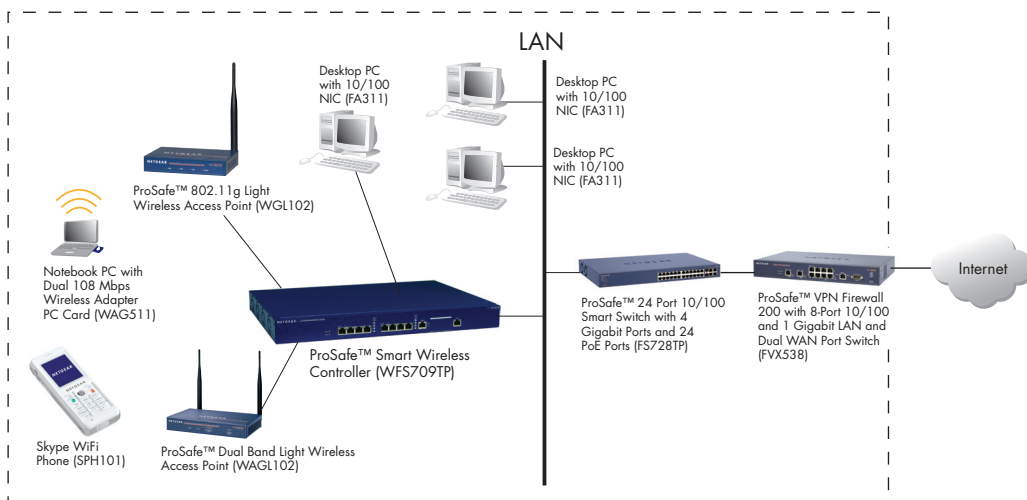
NETGEAR's ProSafe Dual Band Light Wireless Access Point WAGL102 delivers the secure, reliable, high-performance wireless local area networks (WLANs) today's mobile workforce demands. The WAGL102 Access Point supports both 5 GHz and 2.4 GHz 54 Mbps radio transmission in both 802.11g and 802.11a in turbo mode. It supports up to 128 simultaneous wireless clients and client types within the same coverage area. Managed and configured by the NETGEAR Prosafe Smart Wireless Controller, the WAGL102 is a "light" wireless access point which is part of the overall NETGEAR ProSafe Smart Wireless Solution. The WAGL102 supports integrated IEEE 802.3af Power over Ethernet (PoE).

**Secure**

Managed and configured by the NETGEAR ProSafe Smart Wireless Controller (WFS709TP), the WAGL102 is a "light" wireless access point that implements the 802.11 standard. As part of the centralized architecture, much of the security configuration such as WPA2-Enterprise (802.11i), WPA2 and 802.1x support happens at the NETGEAR ProSafe WFS709TP. The NETGEAR ProSafe Smart Wireless Controller also supports MAC address authentication, support for multiple BSSID/VLANs and guest/contractor access.

**Versatile**

As part of the NETGEAR ProSafe Smart Wireless Solution, the WAGL102 is cost-effective and simple to install and use. In addition, it's plenum rated—appropriate for placement above drop-down ceilings and under raised floors. Fitted with two powerful detachable 5 dBi antennas and compatible with NETGEAR's ProSafe 2.4 GHz antennas for expanded wireless capacity and range. Protected with a NETGEAR Lifetime Warranty†, the WAGL102 includes the embedded IEEE 802.3af Power over Ethernet (PoE) port which expands installation options by eliminating the need to locate the Light Wireless Access Point near a power outlet.



## Technical Specifications

### • Wireless

- Standard: IEEE 802.11a up to 108 Mbps; 802.11g up to 108 Mbps Wireless Access Point
- Antennas: Two (2) detachable antennas: (1) 5 dBi, 2.4 GHz and (1) 5 dBi 5 GHz

### • 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: 12V DC, 1.0A power supply; plug is localized to country of sale
- Six (6) LEDs: Power, test, 100 Mbps, link/ACT, and WLAN 802.11g
- Antenna connector: Two (2) reverse SMA antenna connectors

### • Managed by NETGEAR ProSafe Smart Wireless Controller (WFS709TP)

### • Receive Sensitivity

- **802.11b**
  - 2 Mbps -94 dBm
  - 5.5 Mbps -92 dBm
  - 11 Mbps -90 dBm
- **802.11g**
  - 6 Mbps -91 dBm
  - 9 Mbps -91 dBm
  - 12 Mbps -90 dBm
  - 18 Mbps -87 dBm
  - 24 Mbps -85 dBm
  - 36 Mbps -80 dBm
  - 48 Mbps -75 dBm
  - 54 Mbps -70 dBm
- **802.11a**
  - 6 Mbps -92 dBm
  - 9 Mbps -91 dBm
  - 12 Mbps -90 dBm
  - 18 Mbps -86 dBm
  - 24 Mbps -84 dBm
  - 36 Mbps -79 dBm
  - 48 Mbps -72 dBm
  - 54 Mbps -70 dBm

### • Power Over Ethernet Required

- Up to 8.5W

### • 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 60950-1 (2001), EN 301 489-17 V1.2.1 (2002), EN 301 489-1 V1.4.1 (2002), EN 300 328-1 (2001-12), EN 300 328-2 (2001-12), R&TTE Directive
- 99/5/EC, CISPR 22 (B), AS/NZS 3548 (B)
- Plenum rated
- IEEE 802.11g (2.4 GHz frequency band, DSSS modulation type)
- IEEE 802.11a
- IEEE 802.3af Power over Ethernet (PoE)
- FCC Part 15 Subpart B, Subpart C and E
- C-Tick: AS/NZ 3548 Class B
- CE EN 60950-1 (2001), EN 301 489-17 V1.2.1 (2002-08), EN 301 489-1 V1.4.1 (2002-08), EN 300 328-1 (2001-12), EN 300 328-2 (2003-4), EN 301893 (5 GHz), EN 60601, R&TTE Directive 99/5/EC

### • Physical Specifications

- Dimensions (h x w x d): 32 x 190.5 x 122 mm (1.25 x 7.5 x 4.8 in)
- Weight: .62 kg (1.3 lb)

### • 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 adapter: NETGEAR 3-year Warranty

## System Requirements

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

## Package Contents

- ProSafe Dual Band Light Wireless Access Point (WAGL102)
- Two (2) 5 dBi detachable antennas
- Power adapter
- Ethernet cable
- Installation guide
- Warranty/support information card

## NETGEAR Related Products

### • Antennas and Accessories

- ANT2405 ProSafe 5 dBi Indoor Omni-directional Antenna
- ANT2409 ProSafe 9 dBi Indoor/Outdoor Omni-directional Antenna
- ANT24D18 ProSafe 14 dBi Indoor/Outdoor Directional Antenna
- Three (3) antenna cable lengths: 1.5m, 5m, 10m

### • Controllers

- NETGEAR ProSafe Smart Wireless Controller (WFS709TP)

### • Access Points

- WGL102 ProSafe 802.11g Light Wireless Access Point

## Ordering Information

- North America: WAGL102-100NAS
- Europe: WAGL102-100EUS
- Asia: WAGL102-100AUS

## ProSupport Service Packs Available

### • OnCall 24x7, Category 1

- PMB0331-100 (US)
- PMB0331 (non-US)

### • XPressHW, Category 1

- PRR0331

# NETGEAR®

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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.

†Lifetime warranty for product purchased after 05/01/2007.