



Intelligent Networking Features for a Scalable, Secure Solution

NETGEAR's ProSafe 802.11g Wireless Access Point WGL102 delivers the secure, reliable, high-performance wireless local area networks (WLANs) today's mobile workforce demands. This powerful device provides the industry-standard access to corporate network resources, as a managed wireless access point with the NETGEAR ProSafe Smart Wireless Controller. Fully compatible with IEEE 802.11g (2.4 GHz) integrated IEEE 802.3af Power over Ethernet (PoE), the WGL102 brings standards-based, enterprise-level functionality at a mid-market price.

Secure

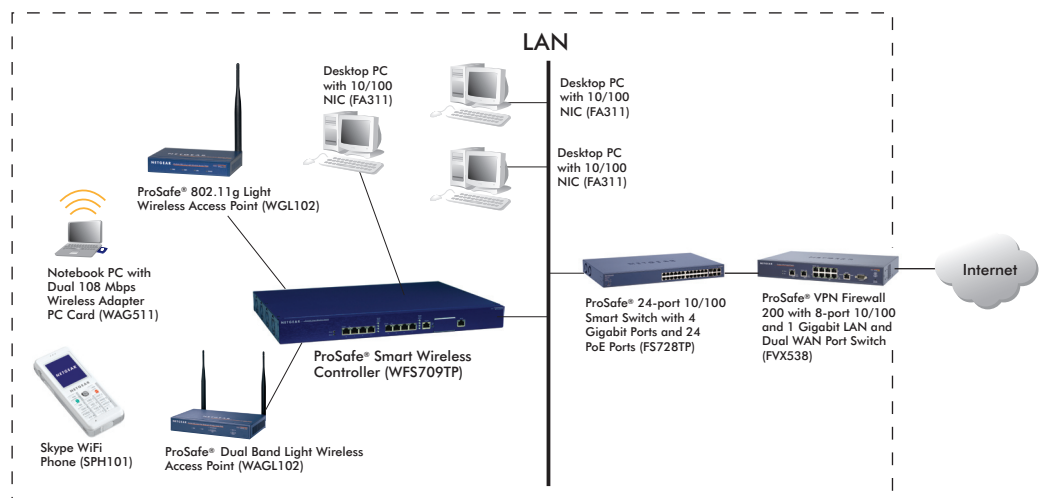
Managed and configured by the NETGEAR ProSafe Smart Wireless Controller (WFS709TP), the WGL102 is a "light" access point that implements the 802.11 standard. As part of the centralized architecture, much of the security configuration such as WPA2-Enterprise (802.11i), WPA2 and 802.1x support happens 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.

Dynamic

The WGL102 supports IntelliFi RF management technology in conjunction with the NETGEAR ProSafe Smart Wireless Controller. The ProSafe Smart Wireless Controller supports dynamic power level settings and adjustable radio management features.

Flexible

As part of the NETGEAR ProSafe Smart Wireless Solution, the WGL102 is cost-effective, compact, and simple to install and use. Integrated PoE support expands installation options by eliminating the need to locate near a power outlet. It is plenum rated for appropriate placement above drop-down ceilings and under raised floors. Fitted with one powerful detachable 5 dBi antenna and compatible with NETGEAR's ProSafe 2.4 GHz antennas for expanded wireless capacity and range, the WGL102 is protected with a NETGEAR Lifetime Warranty†.



Technical Specifications

• Wireless

- Standard: IEEE 802.11g 54 Mbps
- Antennas: One (1) 5 dBi detachable 2.4 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: Output 12V DC, 1.2A; plug is localized to country of sale
- Four (4) LEDs: Power, test, 100 Mbps, link/ACT, and WLAN 802.11g
- Antenna connector: One (1) reverse SMA

• Managed by NETGEAR ProSafe Smart Wireless Controller (WFS709TP)

• Typical Maximum Power Output

- 802.11b mode, 1 to 11 Mbps +19 dBm
- 802.11g mode, 6 to 24 Mbps +18 dBm
- 802.11g mode, 36, 48 and 54 Mbps +17/16/16 dBm

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

• Receive Sensitivity

- **802.11b**
 - 2 Mbps -93 dBm
 - 5.5 Mbps -91 dBm
 - 11 Mbps -89 dBm
- **802.11g**
 - 6 Mbps -91 dBm
 - 9 Mbps -90 dBm
 - 12 Mbps -89 dBm
 - 18 Mbps -87 dBm
 - 24 Mbps -84 dBm
 - 36 Mbps -81 dBm
 - 48 Mbps -77 dBm
 - 54 Mbps -75 dBm
 - 108 Mbps -73 dBm

• Power over Ethernet Required

- Up to 5.0W

• 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 301 489-1 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

• Physical Specifications

- Dimensions: (w x d x h) 14.1 x 10 x 2.7 cm (5.56 x 3.94 x 1.06 in)
- Weight: 386 g (.85 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

Package Contents

- ProSafe 802.11g Light Wireless Access Point (WGL102)
- One (1) 5 dBi detachable antenna
- Power adapter
- Ethernet cable
- Installation guide
- Warranty/support information card

Antennas and Accessories

- ANT2405 ProSafe 5 dBi Omni-directional Antenna
- ANT2409 ProSafe 9 dBi Indoor/Outdoor Omni-directional Antenna
- ANT24D18 ProSafe 14 dBi Indoor/Outdoor Directional Antenna
- Four (4) antenna cable lengths: 1.5, 3, 5, and 10m

NETGEAR Related Products

- NETGEAR ProSafe Smart Wireless Controller (WFS709TP)
- FS108P ProSafe 8-port 10/100 Desktop Switch with PoE
- FS116P ProSafe 16-port 10/100 Desktop Switch with PoE
- WAGL102 ProSafe Dual Band Light Wireless Access Point

Ordering Information

- North America: WGL102-100NAS
- Europe: WGL102-100EUS
- Asia: WGL102-100AUS

ProSupport Service Packs Available

• OnCall 24x7, Category 1

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

• XPressHW, Category 1

- PRR0331

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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.