

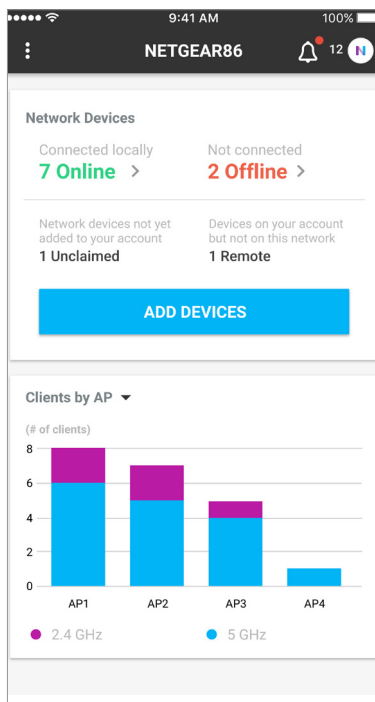


Industry's easiest managed Wireless AC Wave 2 Access Point with NETGEAR Insight management app

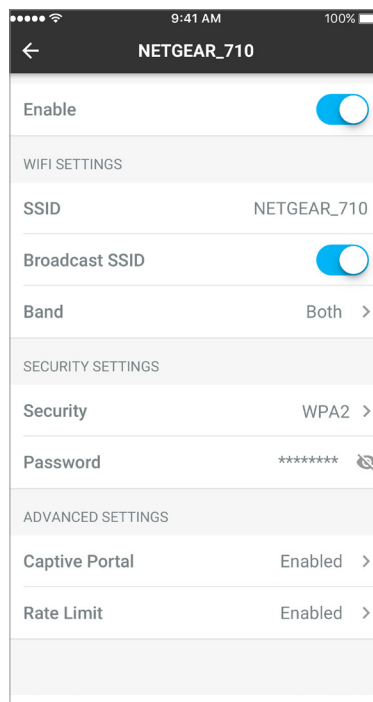
The NETGEAR® AC WiFi Business Access Point WAC510 delivers high performance with high client density for enterprises requiring ubiquitous and reliable wireless for all business applications. The WAC510 is managed by NETGEAR Insight app, for a more intuitive and innovative support, with no need for extra management hardware. The WAC510 features Multi-User MIMO (MU-MIMO) to achieve aggregate speeds up to 1.2Gbps, option to configure as Router or Access Point modes, and comes with two Ethernet ports, including a Power-over-Ethernet (PoE) 1Gb port. WAC510 comes with lifetime limited warranty, and 24/7 support including lifetime chat.

Business Features for higher speed, higher coverage and higher density WiFi

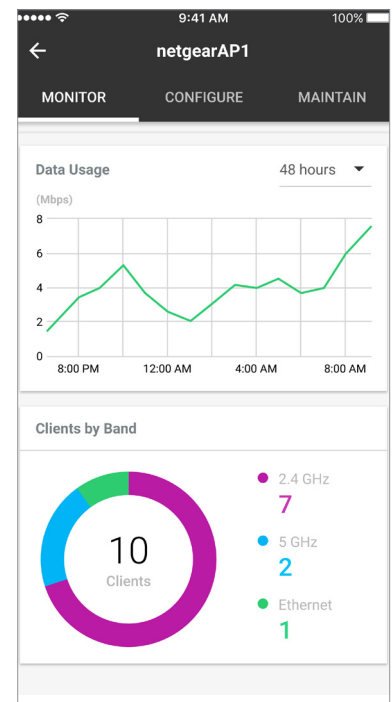
- NETGEAR Insight mobile app managed for ease of centralized management, no hardware needed
- High performance, easy to setup, reliable to handle high numbers of users, WAC510 is the perfect solution for small to mid-size offices
- Business class with superior 802.11ac performance (up to 1.2Gbps)
- 2x2 (transmit x receive) with 2 streams of data for 2.4GHz (300Mbps) and 5GHz (900 Mbps) of reliable data delivery
- Multi-User Multiple In Multiple Out (MU-MIMO) enabling maximum client density deployments with no interference
- Operate in router or access point modes for flexibility in deployment options
- Powered by PoE or DC power inputs (PoE switch and AC/DC power sold separately)
- Gigabit port for single wired connection to switch for easy installation
- Compact and elegant design stylishly blends into the environment
- Lifetime limited warranty, lifetime chat support and 24x7 Support where available



Dashboard



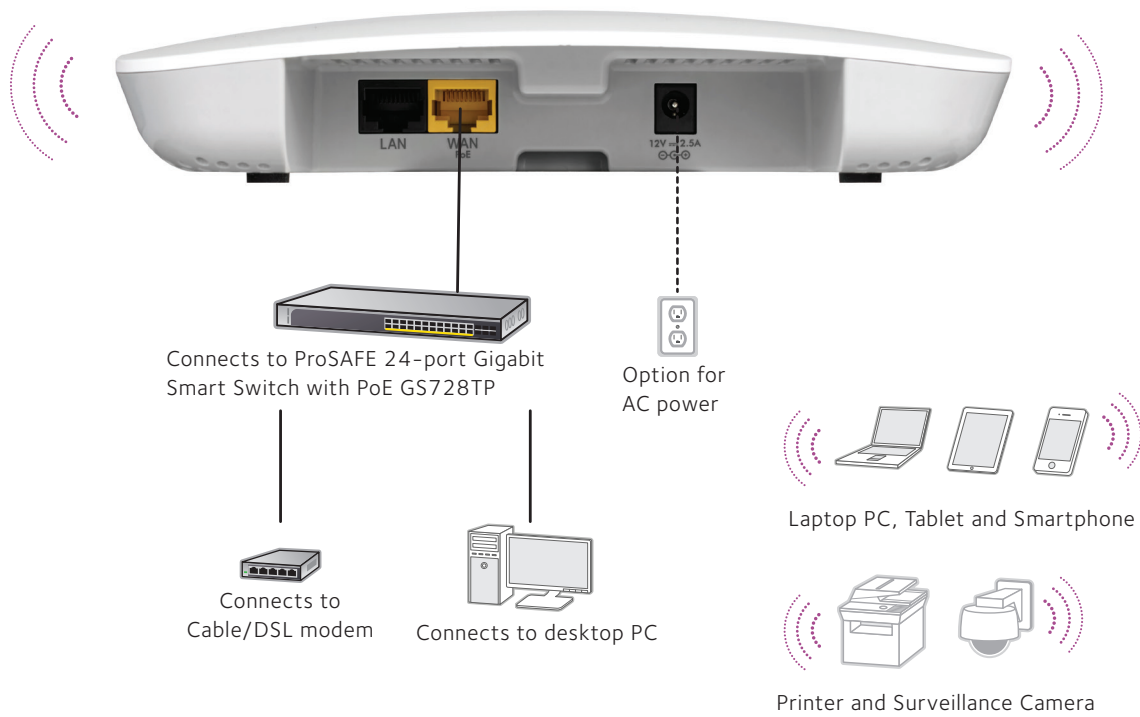
Configuration



Monitoring



Target Applications



Product Comparison

Features	WAC510	WAC730	WAC720	WAC104
Frequency	2.4GHz and 5GHz	2.4GHz and 5GHz	2.4GHz and 5GHz	2.4GHz and 5GHz
Wireless Mode (Transmit x Receive)	802.11ac (2x2)	802.11ac (3x3)	802.11ac (2x2)	802.11ac (2x2)
802.11ac Wave	Wave 2	Wave 1	Wave 1	Wave 1
Multi-User MIMO	Yes	No	No	No
Maximum Theoretical Throughput	1.2Gbps	1.7Gbps	1.2Gbps	1.2Gbps
Maximum Throughput (2.4/5GHz)	300/867Mbps (2.4/5GHz)	450/1300Mbps (2.4/5GHz)	300/867Mbps (2.4/5GHz)	300/867Mbps (2.4/5GHz)
Power over Ethernet (PoE) IEEE 802.3af	Yes	Yes	Yes	No
PoE Power Consumption	9.3 Watts	12.9 Watts	11.0 Watts	No
Centralized Management	Insight App, Standalone	Quad Mode Management (Standalone, Ensemble™, Controller, and Business Central)	Quad Mode Management (Standalone, Ensemble™, Controller, and Business Central)	Standalone
SNMP	v1, v2c	v1, v2c	v1, v2c	No
Secure SSH Telnet	Yes	Yes	Yes	No
Secure Socket Layer (SSL)	Yes	Yes	Yes	Yes
Router Mode	Yes	No	No	No
Repeater	Yes	Yes	Yes	Yes
Bridge point-to-point/multi-point	Yes	Yes	Yes	Yes
Simultaneous bridge & wireless client association	Yes	Yes	Yes	Yes
Separate bridge and access point	Yes	Yes	Yes	Yes
Antenna	Internal 3/6dBi (2.4/5GHz)	Internal 5/6dBi (2.4/5GHz) Two (2) External reverse SMA connectors for 2.4/5GHz antennas	Internal 5/6dBi (2.4/5GHz) Three (3) External reverse SMA connectors for 2.4/5GHz antennas	Two external attached antenna
WiFi Protected Access (WPA/WPA2), 802.11i	Yes	Yes	Yes	Yes
MAC address filtering with access control	Yes	Yes	Yes	Yes
802.1x RADIUS support with EAP TLS, TTLS, PEAP	No	Yes	Yes	Yes
Rogue AP detection	Yes	Yes	Yes	No
Block SSID Broadcast	Yes	Yes	Yes	Yes
VLAN Support	Yes	Yes	Yes	No
Guest Network/Captive Portal	Yes	Yes	Yes	No
Accepts accessory antennas	No	Yes	Yes	No
Easy ceiling mounting/wall mouting	Yes	Yes	Yes	No
Bandwidth management	Yes	Yes	Yes	No
Bonjour Gateway	No	Yes	Yes	No
Link Layer Discovery Protocol	No	Yes	Yes	No
Bandsteering	Yes	Yes	Yes	No

Technical Specifications

Standards

- IEEE 802.11ac Wave 2 standard
- WMM Wireless Multimedia Prioritization
- WDS Wireless Distribution System
- Power over Ethernet (PoE) IEEE 802.3af
- Power over Ethernet (PoE) IEEE 802.3at

Physical Specifications

- Physical Dimensions (W x D x H): 197.32 x 197.32 x 37mm (7.75 x 7.75 x 1.45in)
- Weight: 555.5g (1.22lb)

Physical Interfaces

- Two (WAN/LAN) 10/100/1000BASE-T Gigabit Ethernet (RJ-45) ports with Auto Uplink™ (Auto MDI-X) with WAN port supporting IEEE 802.3af or 802.3at Power over Ethernet (PoE)
- Power adapter (not included): 12V DC, 2.5A; plug is localized to country of sale
- Six (6) LED: Power, Link/ACT, LAN1, LAN2, 2.4GHz, 5GHz

Security

- WiFi Protected Access® (WPA, WPA2)
- Wireless access control to identify authorized wireless network devices
- MAC address authentication

Network Management

- NETGEAR Insight App Management for for setup, monitoring and management
- SNMP v1, v2

Advanced Wireless

Wireless Distribution System (WDS)

- Bridge mode: Point-to-point wireless
- Bridge mode: Point-to-multipoint wireless
- Repeater mode
- Adjustable Transmit Power Control (TPC)

Device detection

- Identify type of wireless clients in the network

Package Contents

- AC WiFi Business Access Point (WAC510) with NETGEAR® Insight app for easy management
- Wall/ceiling mount kit
- Installation guide

NETGEAR Warranty*

- NETGEAR ProSAFE® Lifetime Hardware Warranty.
- ProSUPPORT® Lifetime Chat Technical Support (Remote diagnostics performed by our technical experts for prompt resolution of technical issues).
- ProSUPPORT 90 days (24/7) Live Phone Technical Support during business hours.
- Lifetime Next Business Day (NBD) Hardware replacement (See <http://onsite.netgear.com> for coverage, availability and terms and conditions).

Ordering Information

- **WAC510-10000S**
Everywhere except US and Canada
- **WAC510-100NAS**
US and Canada
- **PAV12V-100NAS**
US and Canada
- **PAV12V-100UKS**
UK
- **PAV12V-100EUS**
Europe except UK
- **PAV12V-100PRS**
China
- **PAV12V-100AUS**
Australia and New Zealand

* This product comes with a lifetime warranty that is valid only if purchased from a NETGEAR authorized reseller, and modifications to product may void the warranty—not software or external power supplies; see <http://www.netgear.com/about/warranty/> for details. Lifetime technical support includes basic phone support for 90 days from purchase date and lifetime online chat support when purchased from a NETGEAR authorized reseller. This product was tested for quality and its components may be recycled. For indoor use only.