



4x4 business class dual band 802.11ac

The NETGEAR® Premium 802.11ac 4x4 Wave 2 Wireless Access Point (AP) delivers high performance with maximum client density for enterprises requiring ubiquitous and reliable wireless for all business applications. The WAC740 is a controller managed Access Point with ease of centralized management with all NETGEAR wireless controllers from small (WC7500) to mid-size (WC7600) and large-size (WC9500) deployment. The WAC740 comes with 2 ports, including a 802.3at PoE+ multi-gigabit port that can handle up to 2.5Gbps of throughput, enabling a single wire to connect to a 2.5Gbps capable switch for ease of wiring installation.

Product Highlights

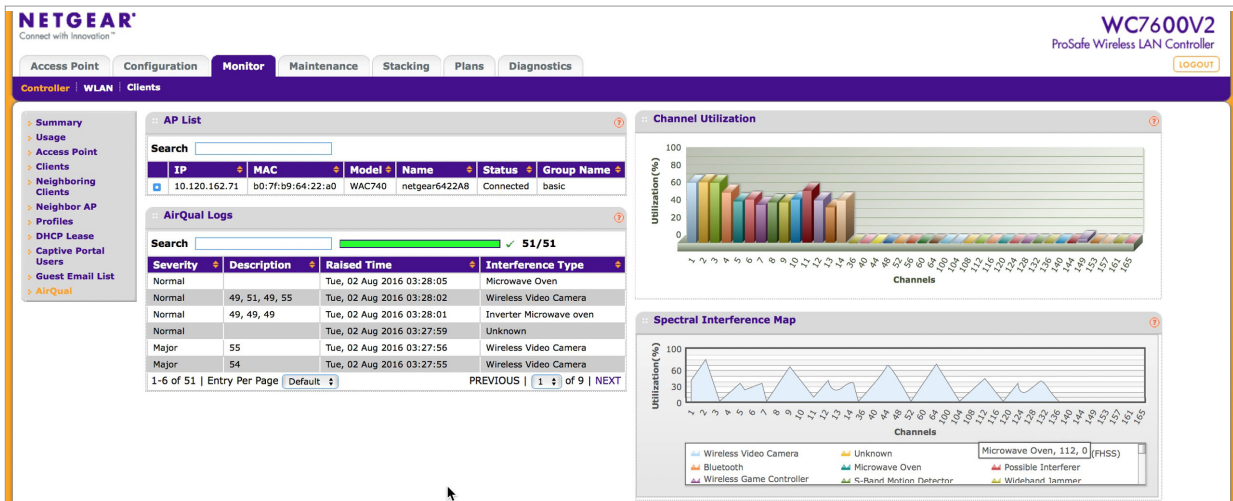
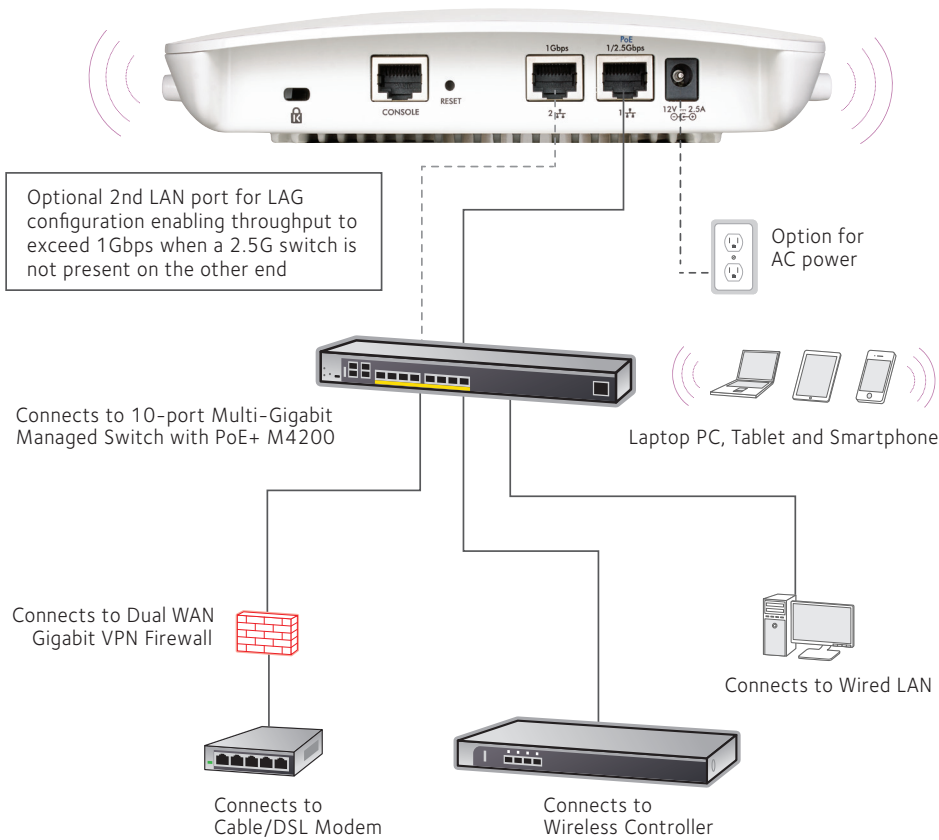
- Features 802.11ac Wave 2 technology providing a theoretical aggregate throughput of 2.3Gbps—roughly double the rates offered by today’s high-end 802.11ac access points
- Reliable wireless coverage with 4 streams of data based on 4x4 (Transmit and Receive) optimized internal antennas
- Multi-user MIMO (MU-MIMO) increases efficiency and capacity – enabling clients to utilize the RF spectrum much more efficiently by allowing multiple-AP-to client transmissions, beamforming, wider bandwidth, and improved encoding
- AirQual feature enables spectrum analysis and interference identification
- Centrally managed by Wireless Controllers
- 2.5GBASE-T Multi-Gigabit support eliminates bottlenecks associated with standard Gigabit Ethernet (NBASE-T switch required to obtain speeds higher than 1Gbps w/ a single port)

Features

- MU-MIMO maximizes the use of wireless medium for delivery of high throughput content
- Compact and elegant design stylishly blends into the environment
- Concurrent operation in 2.4GHz (600Mbps) and 5GHz (1.7Gbps) for maximum wireless throughput
- Backward compatibility with 802.11a, 802.11b, 802.11g, and 802.11n network devices
- Integrated 802.3at Power over Ethernet (PoE+) lowers deployment costs
- Controller managed by WC7500, WC7600 and WC9500 allowing centralized management up to 600 Access Points in a cluster of controllers.
- Business-class security features include WPA, WPA2, rogue AP detection and 802.1x with RADIUS support
- Easy mounting mechanism for quick wall or ceiling installation
- Internal antennas factory-optimized for maximum RF performance
- Antenna take-offs enable optional accessory antenna attachment for 2.4GHz and/or 5GHz operations
- AirQual monitors Wi-Fi channel utilization on the network, identify sources of interference. Log alerts on channel quality drop or overload



Target Applications



NETGEAR AirQual feature provides at-a-glance view of the RF environment with channel utilization and interference around the WAC740.

Product Features

Features	WAC505	WAC510	WAC720	WAC730	WAC740
Frequency	2.4GHz and 5GHz	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 (2x2)	802.11ac (2x2)	802.11ac (3x3)	802.11ac (4x4)
802.11ac Wave	Wave 2	Wave 2	Wave 1	Wave 1	Wave 2
Multi-User MIMO	Yes	Yes	No	No	Yes
Maximum Theoretical Throughput	1.2Gbps AC1200	1.3Gbps AC1300	1.2Gbps AC1200	1.7Gbps AC1700	2.3Gbps AC2300
Maximum Throughput (2.4/5GHz)	300/867Mbps (2.4/5GHz)	400/867Mbps (2.4/5GHz)	300/867Mbps (2.4/5GHz)	450/1300Mbps (2.4/5GHz)	600/1700Mbps (2.4/5GHz)
Power over Ethernet (PoE) IEEE 802.3af	Yes	Yes	Yes	Yes	Yes, PoE+
PoE Power Consumption	8.9 Watts	9.3 Watts	11.0 Watts	12.9 Watts	17.9 Watts
Centralized Management	Insight App, Standalone	Insight App, Standalone	Quad Mode Management (Standalone, Ensemble™, Controller, and Business Central)	Quad Mode Management (Standalone, Ensemble™, Controller, and Business Central)	Controller
SNMP	v1, v2c	v1, v2c	v1, v2c	v1, v2c	v1, v2c
Secure SSH	Yes	Yes	Yes	Yes	Yes
Secure Socket Layer (SSL)	Yes	Yes	Yes	Yes	Yes
Router Mode	No	Yes	No	No	No
Wireless Distribution System (WDS)					
Repeater	Yes	Yes	Yes	Yes	No
Bridge point-to-point/multi-point	Yes	Yes	Yes	Yes	No
Simultaneous bridge & wireless client association	Yes	Yes	Yes	Yes	No
Antenna	Internal 3/4dBi (2.4/5GHz)	Internal 3/5dBi (2.4/5GHz)	Internal 5/6dBi (2.4/5GHz) Three (3) External reverse SMA connectors for 2.4/5GHz antennas	Internal 5/6dBi (2.4/5GHz) Two (2) External reverse SMA connectors for 2.4/5GHz antennas	Internal 5/6dBi (2.4/5GHz) four (4) External reverse SMA connectors for 2.4/5GHz antennas
Security					
WiFi Protected Access (WPA/WPA2), 802.11i	Yes	Yes	Yes	Yes	Yes
MAC address filtering with access control	Yes	Yes	Yes	Yes	Yes
802.1x RADIUS support with EAP TLS, TTLS, PEAP	Yes	Yes	Yes	Yes	Yes
Rogue AP detection	Yes	Yes	Yes	Yes	Yes
Block SSID Broadcast	Yes	Yes	Yes	Yes	Yes
VLAN Support	Yes	Yes	Yes	Yes	Yes
Guest Network/Captive Portal	Yes	Yes	Yes	Yes	Yes
Accepts external antennas	No	No	Yes	Yes	Yes
Easy ceiling mounting/wall mouting	Yes	Yes	Yes	Yes	Yes
Bandwidth management	Yes	Yes	Yes	Yes	Yes
Bonjour Gateway	No	No	Yes	Yes	Yes
Link Layer Discovery Protocol	Yes	Yes	Yes	Yes	Yes
Bandsteering	Yes	Yes	Yes	Yes	Yes

Technical Specifications

Physical Interfaces

Two Ports

- One (1) 10/100/1000/2500BASE-T Gigabit Ethernet (RJ-45) port with Auto Uplink™ (Auto MDI-X) and IEEE 802.3at Power over Ethernet (PoE+) support
- One (1) 10/100/1000BASE-T Gigabit Ethernet (RJ-45) port with Auto Uplink™ (Auto MDI-X)
- Static link aggregation (LAG) support for redundancy and aggregate throughput exceeding 1Gbps
- Power adapter (not included): 12V DC, 2.5A; plug is localized to country of sale
- One (1) console port with RJ45 Interface
- Four (4) reverse SMA antenna connectors for dual band 2.4 and 5GHz external antennas (not included)
- Five (5) LED: Power, Link/ACT, LAN, 2.4GHz, 5GHz

Physical Specifications

- Physical Dimensions (W x D x H): 197 x 197 x 40mm (7.76 x 7.76 x 1.57in)
- Weight: 726g (1.6lb) U.S and Canada

Package Contents

- Premium Dual Band Wireless-AC Access Point (WAC740)
- Ethernet cable
- Ceiling and wall mount kit
- Installation guide

Accessories

Power Adapters with plug localized to country of sales

- PAV12V-100AUS (for Australia)
- PAV12V-100EUS (for Europe, Outside of UK)
- PAV12V-100NAS (for North America)
- PAV12V-100PRS (for China)
- PAV12V-100UKS (for UK)

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

- **WAC740-10000S:** Everywhere except US and Canada
- **WAC740-100NAS:** 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.

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