



4x4 business class dual band 802.11ac

The NETGEAR® Premium Business 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 operates with Multi-User MIMO and can achieve speeds up to 600Mbps for 2.4GHz and 1.7Gbps at 5GHz. The WAC740 comes with 2 Power over Ethernet (PoE) ports, including one 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

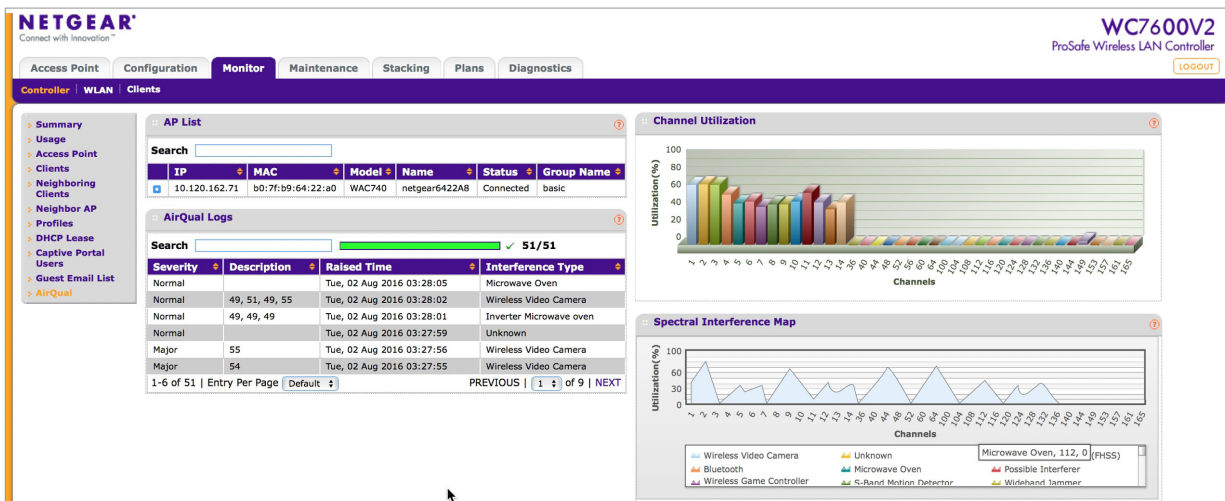
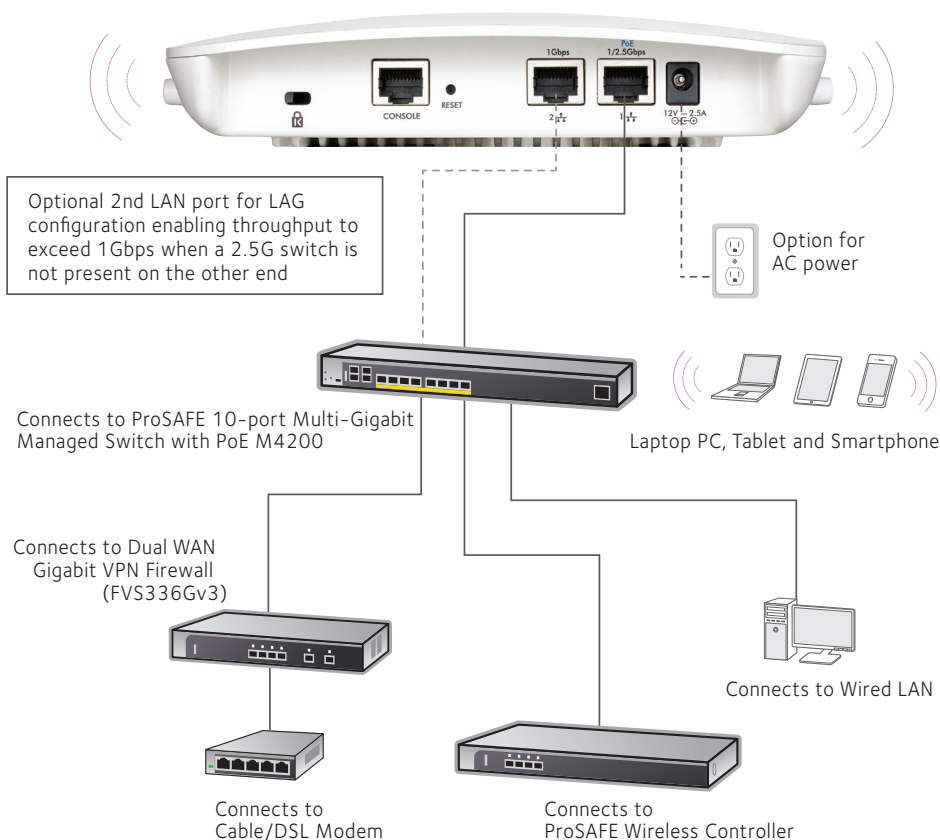
- ProSAFE 802.11ac AP Wave 2 provides a theoretical connection rate of up to 2.6Gbps per radio—roughly double the rates offered by today's high-end 802.11ac access points
- Reliable wireless coverage with 4 streams of data based on 4x4 (Transmit and Receive) optimized internal antennas
- Multi-user MIMO (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 ProSAFE 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 Power over Ethernet (802.3af and 802.3at) 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	WAC740
Frequency	2.4GHz and 5GHz
Wireless Mode (Transmit x Receive)	802.11ac (4x4)
Maximum theoretical throughput	600/1700Mbps
Power over Ethernet (PoE) 802.3af or 802.3at	✓
PoE power consumption	17.9 Watts
Wireless Distribution System (WDS)	
Repeater	✓
Bridge point-to-point/multi-point	✓
Simultaneous bridge & wireless client association	✓
Separate bridge and access point	✓
SNMP	✓
Antenna	Internal 5/6dBi (2.4/5GHz) four (4) External reverse SMA connectors for 2.4/5GHz antennas
Management	Controller managed by WC7500/ WC7600/WC9500
Security	
WiFi Protected Access (WPA/WPA2), 802.11i	✓
Multiple VPN pass-through support	✓
MAC address filtering with access control	✓
802.1x RADIUS support with EAP TLS, TTLS, PEAP	✓
Rogue AP detection	✓
Block SSID Broadcast	✓
Secure SSH Telnet	✓
Secure Socket Layer (SSL)	✓
Remote management login	✓
Peer-to-peer blocking so users may not access another user's PC	✓
MBSSID/VLAN Support	16
User Interface	✓
Browser-based Interface	✓
Accepts accessory antennas	✓
Easy ceiling mounting/wall mounting	✓
Bandwidth management	✓
Bonjour Gateway	✓
LLDP	✓
Bandsteering	✓

Technical Specifications

Physical Interfaces

Two Ports

- One (1) 10/100/1000/2500BASE-T Gigabit Ethernet (RJ-45) ports with Auto Uplink™ (Auto MDI-X) with IEEE 802.3af or 802.3at Power over Ethernet (PoE) support
- One (1) 10/100/1000BASE-T Gigabit Ethernet (RJ-45) ports with Auto Uplink™ (Auto MDI-X) with IEEE 802.3af or 802.3at Power over Ethernet (PoE) support
- 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

- ProSAFE® Business 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 U.S and Canada
- **WAC740-100NAS:**
U.S and Canada

* 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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