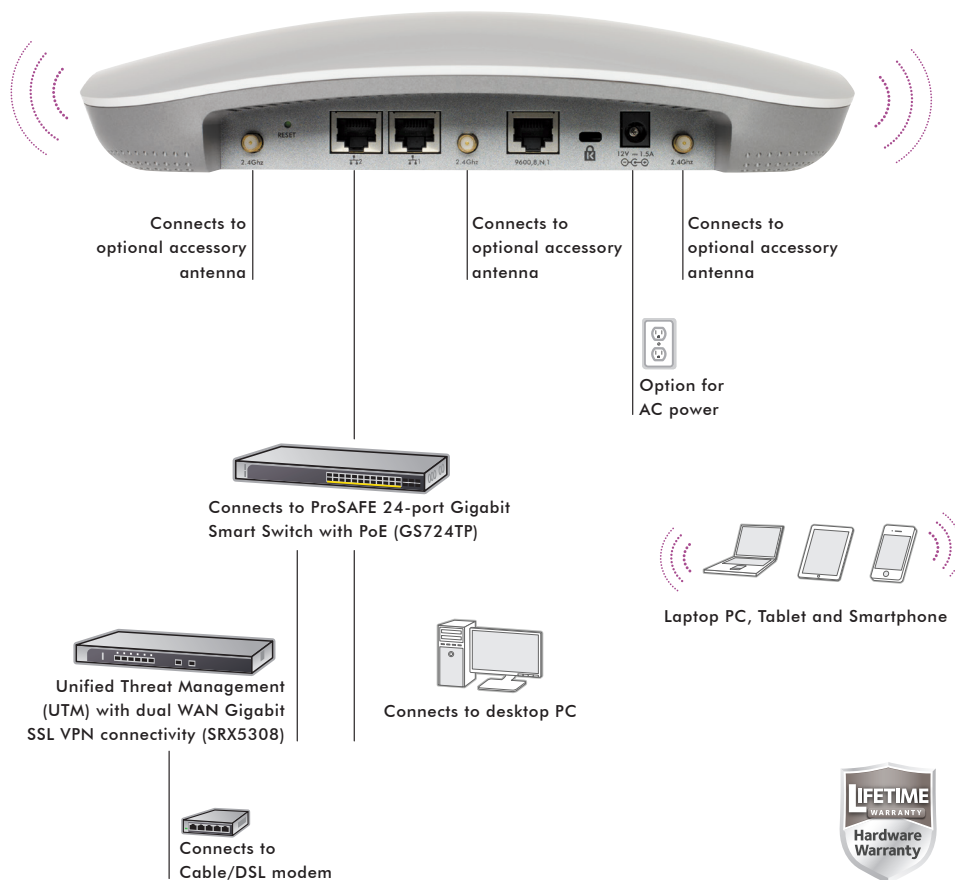


Ultra High Throughput (900Mbps) and Superior Range with 802.11n 3x3 Access Point



- Dual band concurrent in 2.4 and 5 GHz radio band for maximum wireless throughput
- Stylish and elegant design with easy mounting options (e.g., ceiling, wall and desktop)
- Backward compatibility with 802.11a, 802.11g and 802.11b network devices
- Integrated Power over Ethernet (IEEE® 802.3af and 802.3at PoE) lowers deployment costs
- Deploy wireless coverage over large areas with point-to-point and point-to-multipoint bridging via Wireless Distribution System (WDS)
- Security features include WPA, WPA2, rogue AP detection and 802.1x with RADIUS support
- Internal antennas factory-optimized for maximum RF performance
- Advanced Security with Wireless Intrusion Detection (WIDS) and Wireless Intrusion Prevention (WIPS) support
- 802.11n beamforming to improve range and maximize data rates
- Device-based QoS to provide differentiated service level agreement to each user and device type
- Bandsteering to load balance clients between 2.4 and 5GHz
- Redundant dual Ethernet ports to ensure maximum reliability
- Centralized management with WC7600 and WC9500 Premium Wireless Controller

Target Applications



ProSAFE® Premium 3 x 3 Dual Band Concurrent Wireless-N Access Point

Data Sheet

Features	ProSAFE 3x3 Single Radio, Dual Band Wireless-N Access Point (WNDAP660)	ProSAFE 3x3 Single Radio, Dual Band Wireless-N Access Point (WNDAP620)	ProSAFE Dual Band Wireless-N Access Point (WNDAP360)	ProSAFE Wireless-N Access Point (WNAP320)
Frequency	2.4GHz and 5GHz	2.4GHz or 5GHz	2.4GHz and 5GHz	2.4GHz
Transmit x Receive Radio Chains	3 x 3	3 x 3	2 x 2	2 x 2
Maximum theoretical throughput	900Mbps	450Mbps	600Mbps	300Mbps
Power over Ethernet (PoE) IEEE 802.3af	Yes	Yes	Yes	Yes
PoE power consumption	10.51 Watts	10.51 Watts	10.75 Watts	5.8 Watts
Wireless Distribution System (WDS)				
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
Client Mode	Yes	Yes	Yes	Yes
SNMP	v1, v2c	v1, v2c	v1, v2c	v1, v2c
Antenna	Internal 5 dBi Three (3) External reverse SMA connectors	Internal 5 dBi Three (3) External reverse SMA connectors	Internal 5 dBi Two (2) External reverse SMA connectors	Internal 5 dBi Two (2) External reverse SMA connectors
User support with controller management	Up to 128 users	Up to 64 users	Up to 128 users	Up to 64 users
Security				
WiFi Protected Access (WPA/WPA2), 802.11i	Yes	Yes	Yes	Yes
Multiple VPN pass-through support	Yes	Yes	Yes	Yes
MAC address filtering with access control lists—up to 256 users	Yes	Yes	Yes	Yes
802.1x RADIUS support with EAP TLS, TTLS, PEAP	Yes	Yes	Yes	Yes
Rogue AP detection	Yes	Yes	Yes	Yes
Block SSID Broadcast	Yes	Yes	Yes	Yes
Secure SSH Telnet	Yes	Yes	Yes	Yes
Secure Socket Layer (SSL)	Yes	Yes	Yes	Yes
Remote management login	Yes	Yes	Yes	Yes
Peer-to-peer blocking so users may not access another user's PC	Yes	Yes	Yes	Yes
MBSSID/VLAN Support	16/17	16/17	16/17	8/9
WPA Support (WPA2 – Enterprise, 802.11i)	Yes	Yes	Yes	Yes
User Interface	Yes	Yes	Yes	Yes
Browser-based Interface	Yes	Yes	Yes	Yes
Accepts accessory antennas	Yes	Yes	Yes	Yes
Easy ceiling mounting/wall mounting	Yes	Yes		
WIDS	Yes	Yes		
WIPS	Yes	Yes		
Bandwidth management	Yes	Yes		
LLDP	Yes	Yes		
Bandsteering	Yes			
Controller management	WC7600 and WC9500	WC7600 and WC9500	WC7520, WC7600, and WC9500	WC7520, WC7600, and WC9500

Technical Specifications

Wireless Characteristics

Standards

- IEEE 802.11a 5GHz
- IEEE 802.11g, IEEE 802.11b, 2.4GHz
- IEEE 802.11n standard, 2.4GHz and 5GHz
- WMM - Wireless MultiMedia prioritization
- WDS - Wireless Distribution System
- Power over Ethernet (PoE) IEEE 802.3af and 802.3at

Physical Specifications

- Physical Dimensions (W x D x H): 253.75 x 253.76 x 54.76 mm (10.0 x 10.0 x 2.16 in)
- Weight: 1.5 kg (3.31 lb)

Physical Interfaces

- Two (2) 10/100/1000BASE-T Gigabit Ethernet (RJ-45) ports with Auto Uplink™ (Auto MDI-X) with IEEE 802.3af and 802.3at Power over Ethernet (PoE) support
- Power adapter: 12V DC, 1.5A; plug is localized to country of sale
- One (1) console port with RJ45 Interface
- Three (3) reverse SMA antenna connectors
- Five (5) LED: Power, Link/ACT, LAN, 2.4GHz, 5GHz

Security

- WiFi Protected Access (WPA, WPA2)
- Wired Equivalent Privacy (WEP) 64-bit, 128-bit, and 152-bit encryption
- IEEE 802.1x RADIUS authentication with EAP TLS, TTLS, PEAP
- Wireless access control to identify authorized wireless network devices
- MAC address authentication
- VPN pass-through support
- Secure SSH telnet
- Security Sockets Layer (SSL) remote management login

Network Management

- Remote configuration and management through Web browser, SNMP or telnet with command line interface (CLI)
- SNMP management supports SNMP MIB I, MIB II, 802.11 MIB and proprietary configuration MIB

Controller Management

- WC7600 and WC9500

Advanced Wireless Features

Wireless Distribution System (WDS)

- Bridge mode: Point-to-point wireless WDS mode
- Bridge mode: Point-to-multipoint wireless WDS mode
- Repeater mode
- Adjustable Transmit Power Control (TPC) from 100 mW down to 0 mW

System Requirements

- 2.4GHz/5GHz 802.11n specification or 2.4GHz 802.11b/g wireless adapter or 5 GHz 802.11a wireless adapter
- Microsoft® Windows® Vista™, XP, 2000, 98, Me, Mac® OS, UNIX®, or Linux®
- Internet Explorer® 6.0 or Mozilla Firefox® 1.5

Package Contents

- ProSAFE® Premium Dual Band Wireless-N Access Point (WNDAP660)
- Ethernet cable
- Wall-mount kit
- Installation guide
- Resource CD
- 12V, 1.5A power supply
- Warranty/support information card

NETGEAR Warranty*

- This product is backed by a NETGEAR limited 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).

* This product comes with a limited warranty that is valid only if purchased from a NETGEAR authorized reseller, and modifications to product may void the warranty; covers hardware, fans, and internal power supplies—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.