



GWN7610

802.11ac Wireless Access Point

The GWN7610 is a high-performance 802.11ac wireless access point for enterprises, office buildings, retail centers, hotels, hospitals, convention centers and more. It offers simultaneous dual-band Wi-Fi (2.4GHz and 5GHz) using the latest 3x3 MIMO 802.11ac technology to maximize bandwidth, increase signal strength and expand Wi-Fi coverage. The GWN7610 uses a controller-less design which allows each access point to manage its own network independently without being tied to a central network controller, eliminating the need to purchase extra controller hardware and software. This enterprise wireless access point is powered and can be managed by Grandstream's scalable and intuitive network management system which allows for the management of multiple access points at a single site. The GWN7610 can also be managed by Grandstream's GWN7000 Enterprise Multi-WAN Gigabit Router. With support for 300 plus devices per AP, dual Wi-Fi support, industry leading 3x3 MIMO wireless technology and support for 802.11ac, the GWN7610 is an ideal wireless access point for large and small wireless/VPN solutions.



Offers Wi-Fi speeds up to 1300Mbps; contains 2 auto-sensing Gigabit ports



Supports 802.11ac, which offers speeds up to 5 times faster than 802.11n



Offers simultaneous dual band Wi-Fi signals



Advanced Wi-Fi security features including WEP, WPA/WPA2-PSK, WPA/WPA2-Enterprise



Easy setup and management using a web-based network & cloud management systems



Supports both PoE and PoE+ to integrate with existing infrastructure



Supports 300+ concurrent clients per access point

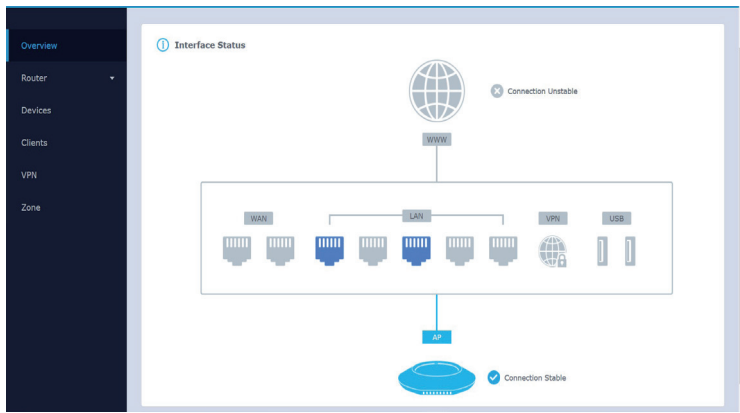


Supports guest and paid access for network management and monetization

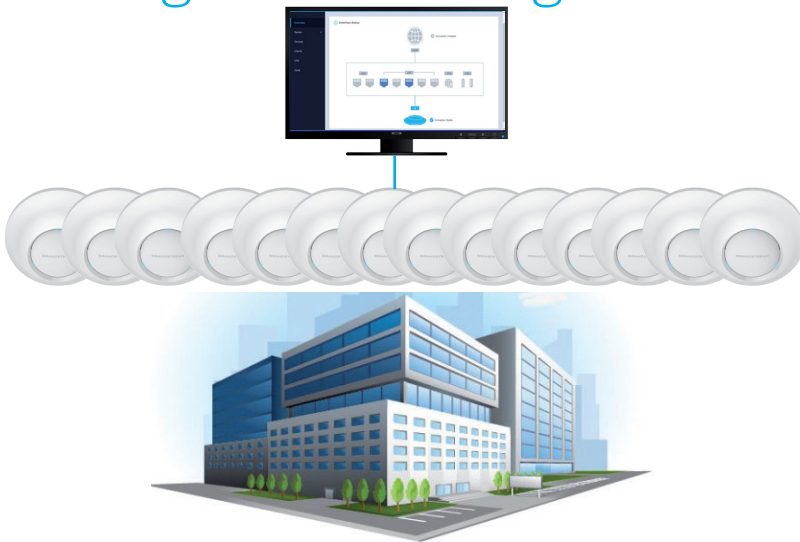


3x3 MIMO technology maximizes bandwidth, increases signal strength and expands coverage area

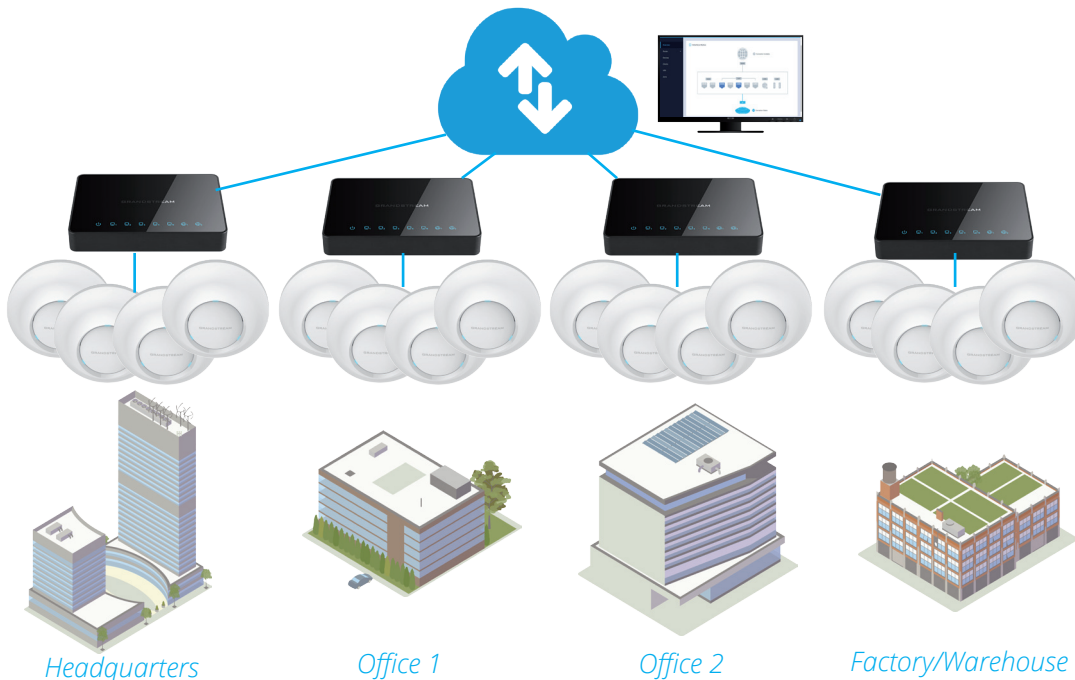
Intuitive Management Interface



Single-Site Management



Multi-Site Management



Network Management

Manage networks consisting of GWN7610 APs directly from the products' intuitive web user interface. A Cloud-based interface is coming soon for easy management of large deployments.

Controller-less Design

The GWN7610 can be fully managed and controlled via its web user interface - eliminating the need to purchase a separate controller that is usually required by other manufacturers.

802.11ac

Support for 802.11ac allows the GWN7610 to offer supercharged Wi-Fi speeds up to over 1 Gigabit per second.

3x3 MIMO technology

Industry-leading 3x3 MIMO allows the GWN7610 to transmit and receive via three simultaneous streams at all times, offering more bandwidth capacity when downloading and uploading data to and from the wireless network.

Simultaneous Dual-band Wi-Fi

Each GWN7610 supports both 2.4GHz and 5GHz connections, therefore doubling networks speeds by creating 2 separate Wi-Fi networks that lower interference and can be used for different purposes.

GWN7000 Integration

GWN7610 APs can also be fully managed via the GWN7000 router - ideal for multi-site and VPN deployments.

300+ Clients per GWN7610

Each GWN7610 can support more than 300 simultaneous clients

GWN Series: Deployment and Set Up



Simple Set up

Set up is easy, simply:

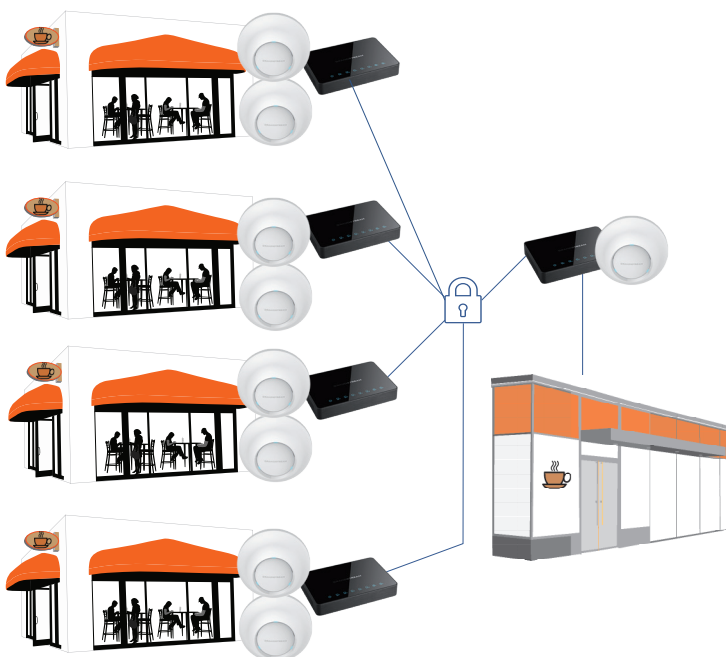
1. Connect the GWN70xx router and GWN76xx access point to the LAN.
2. Access the device from the Web UI and pair the GWN 76xx.
3. Configure the SSID and password.

Easily Monetize any network

Payments can be collected easily, via a landing page. Customers must log into the landing page for internet access. This makes the GWN Series ideal for use in cafes, restaurants, and hotels.

Large-Scale Solutions

The GWN is flexible, making it ideal for both small and large scale deployments. The GWN can provide the perfect wireless solution for large residential complexes as well as a small cafe. A large office campus can connect all employees using the same SSID and credentials, so when moving from floor to floor, building to building, or branch office to branch office, internet access is uninterrupted. This saves employees time and increases productivity.



Think Bigger

A single coffee chain can deploy the GWN series company-wide in both its cafes and corporate offices while managing it all from the Unified Management Interface.

Benefits of a company-wide deployment include:

- Linking multiple locations together for easy management
- No single point of failure, ensuring redundant infrastructure
- Local cafe employees do not have to manage internet access
- Private and guest networks are securely hosted from the same router

Specifications

Wi-Fi Standards	IEEE 802.11 a/b/g/n/ac	
Antennas	2.4 GHz, gain 3 dBi, internal antenna 5 GHz, gain 3 dBi, internal antenna	
Wi-Fi Data Rates	IEEE 802.11ac: 6.5 Mbps to 1300 Mbps IEEE 802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps IEEE 802.11n: 6.5 Mbps to 450 Mbps IEEE 802.11b: 1, 2, 5.5, 11 Mbps IEEE 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps	
Frequency Bands	US/IC:2.4G : 2.412- 2.462 GHz 5G : 5.180 - 5.240 GHz 5.745- 5.825 GHz	EU/AU:2.4G:2.412-2.472GHz 5G:5.180-5.240GHz
Wi-Fi Security	WEP, WPA/WPA2-PSK, WPA/WPA2 Enterprise (TKIP/AES)	
MIMO	3x3:3 2.4GHz, 3x3:3 5GHz	
Range	175 meters	
Target TX Power	5G:26dBm; 2.4G:26dBm	
Maximum RX Sensitivity	-97dBm	
BSSID	8 BSSID per radio	
Concurrent Clients	250+	
Guest/Paid Access	Supported	
Network Interfaces	2x autosensing 10/100/1000 Base-T Ethernet Ports	
Auxiliary Ports	1x USB 2.0 port, 1x Reset Pinhole, 1x Kensington lock	
Mounting	Indoor wall mount or ceiling mount, kits included	
LEDs	3 tri-color LEDs for device tracking and status indication	
Network Protocols	IPv4, 802.1Q, 802.1p, 802.1x, 802.11e/WMM	
QoS	802.11e/WMM, VLAN, TOS	
Deployment and Management	< 50 AP: Light-weight Master in AP < 500 AP: Full Master > 500 AP: Cloud Based Master	
Power Save	Indoor wall mount or ceiling mount, kits included	
Power and Green Energy Efficiency	Power adapter: Supports 24VDC/1A power input POE Input Max Input voltage: 67VIEEE 802.3af/ 802.3at compliant Max Power for POE: 25.5W	
Environmental	Operation: 0°C to 40°C Storage: -10°C to 60°C Humidity: 10% to 90% Non-condensing	
Physical		
Package Content	GWN7610 802.11ac Wireless AP, Mounting kits, Quick Start Guide	
Compliance	FCC, CE, RCM, IC	

FCC Caution:

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment .This equipment should be installed and operated with minimum distance 20cm between the radiator& your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

IC Warning

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
 - (2) this device must accept any interference, including interference that may cause undesired operation of the device.
- Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement*

IC Radiation Exposure Statement:

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment .This equipment should be installed and operated with minimum distance 20cm between the radiator& your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.