

Grandstream GWN7610 Enterprise 802.11ac WiFi Access Point



Product Name: Grandstream GWN7610 Enterprise 802.11ac WiFi Access Point

Manufacturer: -

Model Number: GWN7610

Please Note: This product has been discontinued. Please see the Grandstream GWN7615 802.11ac Wave-2 Enterprise WiFi Access Point.

Grandstream GWN7610 Enterprise 802.11ac WiFi Access Point

The Grandstream GWN7610 is a high-performance 802.11ac wireless access point for small to medium-sized businesses, multiple floor offices, commercial locations and branch offices. It offers dual-band 3x3:3 MIMO technology and a sophisticated antenna design for maximum network throughput and expanded WiFi coverage range.

Grandstream GWN7610 Key Features

- Support for up to 16 SSIDs per radio and up to 250+ concurrent WiFi clients
- Dual-band 3x3:3 MIMO technology and a sophisticated antenna design for maximum network throughput of up to 1.75Gbps and expanded coverage range of up to 175 meters
- Dual Gigabit ports with support for PoE/PoE+, USB port for future applications such as location based service and other IoT (Internet of Things) applications
- User friendly built-in provisioning controller (via Web interface) allows any GWN7610 to auto discover, auto-provision and manage networks of up to 50 GWN7610s without requiring separate controller hardware/software and without a single point of failure
- Offers high-end security features that are not available on most 3rd party WiFi APs, including unique security certificate per device using SHA256 encryption and strong random default passwords per device
- Advanced QoS to ensure real-time performance of low-latency applications
- Efficient power saving through self power adaptation upon auto detection of PoE or PoE+ network

To ensure easy installation and management, the GWN7610 uses a controller-less distributed network management design in which the controller is embedded within the product's web user interface. This allows each access point to manage a network of up to 50 GWN7610s independently without needing separate controller hardware/software and without a single point-of-failure. This wireless access point can be paired with any third party routers as well as Grandstream GWN series routers. With support for advanced QoS, low-latency real-time applications, 250+ client devices per AP and dual Gigabit network ports with PoE/PoE+, the GWN7610 is an ideal wireless access point for large and small wireless network deployments.

Grandstream GWN7610 Technical Specification

WiFi Standards

- IEEE 802.11 a/b/g/n/ac

Antennas

- 3x 2.4 GHz, gain 3 dBi, internal antenna
- 3x 5 GHz, gain 3 dBi, internal antenna

WiFi Data Rates

- IEEE 802.11ac: 6.5 Mbps to 1300 Mbps
- IEEE 802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps

Grandstream GWN7610 Enterprise 802.11ac WiFi Access Point

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

*Actual throughput may vary depending on many factors including environmental conditions, the distance between devices, radio interference in the operating environment and mix of devices in the network

Frequency Bands

2.4GHz radio: 2.400 - 2.4835 GHz

5GHz radio: 5.150 - 5.250 GHz, 5.725 - 5.850 GHz (FCC, IC, RCM)

Channel Bandwidth

2.4G: 20 and 40 MHz

5G: 20, 40 and 80 MHz

WiFi and System Security

WEP, WPA/WPA2-PSK, WPA/WPA2 Enterprise (TKIP/AES), anti-hacking secure boot and critical data/control lockdown via digital signatures, unique security certificate and random default password per device

MIMO

3x3:3 2.4GHz, 3x3:3 5GHz

Coverage Range

Up to 575 ft. (175 meters)

*coverage range can vary based on the environment

Maximum TX Power

5G: 26dBm (FCC) / 20dBm (CE)

2.4G: 26dBm (FCC) / 17dBm (CE)

*Maximum power varies by country, frequency band and MCS rate

Receiver Sensitivity

2.4G: 802.11b: -92dBm@11Mbps; 802.11g: -76dBm@54Mbps; 802.11n 20MHz: -73dBm@MCS7; 802.11n 40MHz: -70dBm@MCS7

5G: 802.11a: -94dBm@6Mbps; 802.11a: -77dBm@54Mbps; 802.11ac 20MHz: -69dBm@MCS8; 802.11ac HT40: -65dBm@MCS9; 802.11ac 80MHz: -61dBm@MCS9

*Receiver sensitivity varies by frequency band, channel width and MCS rate

SSIDs

16 SSIDs per access point

Concurrent clients

250+

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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-colour 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

Network Management

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The embedded controller in GWN7610 allows it to auto-discover, auto-provision and manage up to 50 GWN7610s in a network

Auto Power Saving

• Self-power adaptation upon auto detection of PoE or PoE+

Power and Green Energy Efficiency

• DC Input: 24VDC/1A

• Power over Ethernet 802.3af/802.3at compliant

• Maximum Power Consumption: 13.8W

Environmental

• Operation: 0°C to 50°C

• Storage: -10°C to 60°C

• Humidity: 10% to 90% Non-condensing

Physical

• Unit Dimension: 205.3 x 205.3 x 45.9mm; Unit Weight: 540g

• Unit + Mounting Kits Dimension : 205.3 x 205.3 x 50.9mm; Unit + Mounting Kits Weight : 600g

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Entire Package Dimension: 258 x 247 x 86mm; Entire Package Weight: 900g

Package Content

1x GWN7610 802.11ac Wireless AP, Mounting Kits, Quick Start Guide

Compliance

FCC, CE, RCM, IC

Price: \$121.42

Options available for Grandstream GWN7610 Enterprise 802.11ac WiFi Access Point :

Grandstream WiFi Phone Required?

[Grandstream WP820 Portable WiFi Phone \(+\\$221.01\)](#), Not Required.

Grandstream IP Door Entry System Required?

[Grandstream GDS3710 IP Door Entry System \(+\\$379.12\)](#), Not Required.

Grandstream IP Audio Door System Required?

[Grandstream IP Audio Door System GDS3705 \(+\\$345.15\)](#), Not Required.