

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

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• 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; 801.11a:-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: £89.00

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

Grandstream WiFi Phone Required?

[Grandstream WP820 Portable WiFi Phone \(+£162.00\)](#), Not Required.

Grandstream IP Door Entry System Required?

[Grandstream GDS3710 IP Door Entry System \(+£277.90\)](#), Not Required.

Grandstream IP Audio Door System Required?

[Grandstream IP Audio Door System GDS3705 \(+£253.00\)](#), Not Required.