

Grandstream GWN7605 802.11ac Wave-2 WiFi Access Point



Product Name: Grandstream GWN7605 802.11ac Wave-2 WiFi Access Point

Manufacturer: Grandstream

Model Number: GWN7605

Grandstream GWN7605 802.11ac Wave-2 WiFi Access Point

The Grandstream GWN7605 is an affordable 802.11ac Wave-2 WiFi access point ideal for small to medium wireless network deployments with medium user density. It offers dual-band 2x2:2 MU-MIMO with beam-forming technology and a sophisticated antenna design for maximum network throughput and expanded WiFi coverage range. To ensure easy installation and management, the GWN7605 uses a controller-less distributed network management design in which the controller is embedded within the product's web user interface.

Grandstream GWN7605 Key Features

- 1.27Gbps aggregate wireless throughput and 2xGigabit wireline ports
- Dual-band 2x2:2 MU-MIMO with beamforming technology
- Self power adaptation upon auto detection of PoE/PoE+
- Supports 100+ concurrent Wi-Fi client devices
- Up to 165-meter coverage range
- Advanced QoS to ensure real-time performance of low-latency applications
- Anti-hacking secure boot and critical data/control lockdown via digital signatures, unique security certificate/random default password per device
- Embedded controller can manage up to 50 local GWN series APs; GWN.Cloud offers unlimited AP management; GWN Manager offers premise-based software controller

The GWN7605 is also supported by GWN.Cloud and GWN Manager, Grandstream's cloud and on-premise WiFi management platform. It is the ideal WiFi AP for voiceover-WiFi deployments and offers a seamless connection with Grandstream's WiFi-capable IP phones. With support for advanced QoS, low-latency real-time applications, mesh networks, captive portals, 100+ concurrent clients per AP and dual Gigabit network ports with PoE/PoE+, the GWN7605 is a scalable WiFi solution for deployments such as retail locations, restaurants, small offices and more.

Grandstream GWN7605 Technical Specification WiFi Standards

- IEEE 802.11a/b/g/n/ac (Wave-2)

Antennas

- 2 dual band internal antennas
- 2.4GHz, gain 3dBi
- 5 GHz, gain 3dBi

WiFi Data Rates

- IEEE 802.11ac: 6.5 Mbps to 867 Mbps
- IEEE 802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps
- IEEE 802.11n: 6.5Mbps to 300Mbps;
- 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, distance between devices, radio interference in the operating environment and mix of devices in the network

Frequency Bands

Grandstream GWN7605 802.11ac Wave-2 WiFi Access Point

• 2.4 GHz Radio: 2412 – 2484 MHz

• 5 GHz Radio: 5180-5825 MHz

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

• 2x2:2 2.4GHz (MIMO)

• 2x2:2 5GHz (MU-MIMO)

Coverage Range

• Up to 165 meters

• *coverage range can vary based on the environment

Maximum TX Power

• 2.4G:24dBm

• 5G:22dBm

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

Receiver Sensitivity

• 2.4G: 802.11b: -96dBm@1Mbps, -88dBm@11Mbps; 802.11g: -93dBm @6Mbps,

-75dBm@54Mbps; 802.11n 20MHz: -73dBm @MCS7; 802.11n 40MHz:-70dBm @MCS7

• 5G: 802.11a: -92dBm @6Mbps, -74dBm @54Mbps; 802.11ac 20MHz: -67dBm@MCS8;

802.11ac: HT40:- 63dBm @MCS9; 802.11ac 80MHz: -59dBm @MCS9

SSIDs

• 8 SSIDs per radio

Concurrent clients

• 100+

Network Interfaces

• 2 x autosensing 10/100/1000 Base-T Ethernet Ports

Auxiliary Ports

• 1 x Reset Pinhole, 1 x Kensington lock

Mounting

Grandstream GWN7605 802.11ac Wave-2 WiFi Access Point

• Indoor wall or ceiling mount, kits included

LEDs

• 3 x tri-color LED for device tracking and status indication

Network Protocols

• IPv4, IPv6, 802.1Q, 802.1p, 802.1x, 802.11e/WMM

QoS

• 802.11e/WMM, VLAN, TOS

Network Management

• Embedded controller can manage up to 50 local GWN APs

• GWN.Cloud offers a free cloud management platform for unlimited GWN APs

• GWN Manager offers premise-based software controller for up to 3,000 GWN APs

Power and Green Energy Efficiency

• PoE 802.3af/ 802.3at;

• Maximum Power Consumption:10.16W

Environmental

• Operation: 0°C to 40°C

• Storage: -10°C to 60°C

• Humidity: 10% to 90% Non-condensing

Physical

• Unit Dimension: 180.4mmx180.4mmx40.8mm;

• Unit Weight: 388.2g

• Entire Package Dimension: 228.5x220x79mm;

• Entire Package Weight: 719.3g

Package Content

• GWN7605 802.11ac Wireless AP, Mounting Kits, Quick Start Guide

Compliance

• FCC, CE, RCM, IC

Price: £54.90