

Grandstream GWN7605 802.11ac Wave-2 Wi-Fi Access Point



Product Name: Grandstream GWN7605 802.11ac Wave-2 Wi-Fi 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

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• 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

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• 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: 180.4mm x 180.4mm x 40.8mm;

• Unit Weight: 388.2g

• Entire Package Dimension: 228.5 x 220 x 79mm;

• Entire Package Weight: 719.3g

Package Content

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

Compliance

• FCC, CE, RCM, IC

Price: £51.75