

Grandstream GWN7625 W-Fi Access Point



Product Name: Grandstream GWN7625 W-Fi Access Point

Manufacturer: Grandstream

Model Number: GWN7625

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The Grandstream GWN7625 is an 802.11ac Wave-2 Wi-Fi access point ideal for small-to-medium sized businesses, home offices, retail shops, restaurants and more. It offers 4x4:4 MU-MIMO technology on the 5G band and 2x2:2 MU-MIMO on the 2.4G band as well as a sophisticated antenna design for maximum network throughput and expanded Wi-Fi coverage range. To ensure easy installation and management, the GWN7625 uses a controller-less distributed network management design in which the controller is embedded within the product's web user interface. Grandstream GWN7625 Key Features:

- 2.03 Gbps wireless throughput and 2 Gigabit wireline ports
- 5GHz 4x4 MU-MIMO
- Supports up to 200 concurrent Wi-Fi client devices
- 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
- Self power adaptation upon auto detection of PoE or PoE+
- Embedded controller can manage up to 30 local GWN series APs;
- GWN.Cloud offers unlimited AP management; GWN Manager offers premise based software controller

The GWN7625 is also supported by GWN.Cloud and GWN Manager, Grandstream's free cloud and on-premise Wi-Fi management platform. It is the ideal Wi-Fi AP for voice-over-Wi-Fi deployments and offers a seamless connection with Grandstream's Wi-Fi capable IP phones. With support for advanced QoS, low-latency real-time applications, mesh networks, captive portals, 200+ concurrent clients per AP and dual Gigabit network ports with PoE/PoE+, the GWN7625 is the ideal Wi-Fi access point for medium wireless network deployments with medium user density.

Grandstream GWN7625 Technical Specifications:

Wi-Fi Standards

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

Antennas

- 6 single frequency internal antennas
- 2.4GHz, gain 3.5dBi
- 5GHz, gain 4.5dBi

Wi-Fi Data Rates

- 2.4G:
 - 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
- 5G:
 - IEEE 802.11ac: 6.5 Mbps to 1733 Mbps
 - IEEE 802.11ac: 6.5 Mbps to 1733 Mbps
 - IEEE 802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps
 - *Actual throughput may vary depending on many factors including environmental conditions, distance between devices, radio

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• interference in the operating environment and mix of devices in the network

Frequency Bands

• 2.4GHz Radio: 2412 - 2484 MHz

• 5GHz Radio: 5180 - 5825 MHz

• *Not all frequency bands can be used in all regions

Channel Bandwidth

• 2.4G: 20 and 40 MHz

• 5G: 20, 40 and 80 MHz

Wi-Fi and System Security

• WEP, WPA/WPA2-PSK, WPA/WPA2 Enterprise (TKIP/AES); WPA3, anti-hacking secure boot and criticaldata/control lockdown via digital signatures, unique security certificate and random default password perdevice

MIMO

• 2x2 2.4GHz(MIMO)

• 4x4 5GHz(MU-MIMO)

Maximum TX Power

• 2.4G: 23dBm

• 5G: 25dBm

• *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;

• 802.11n 20MHz: -74dBm @MCS7; 802.11n 40MHz:-71dBm @MCS7

• 802.11ac 20MHz: -67dBm@MCS8; 802.11ac: HT40:- 63dBm @MCS9; 802.11ac 80MHz: -59dBm @MCS9

SSIDs

• 16 SSIDs total, 8 per radio (2.4GHz & 5GHz)

Concurrent Clients;

• 200

Network Interfaces

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

Auxiliary Ports

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

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• Protocols IPv4, IPv6, 802.1Q, 802.1p, 802.1x, 802.11e/WMMQoS 802.11e/WMM, VLAN, TOS

Network Management

• Embedded controller can manage up to 30 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

• Supports 802.3az

• PoE 802.3af/ 802.3at;

• Maximum Power Consumption: <13W

Environmental

• Operation: 0°C to 50°C

• Storage: -10°C to 60°C

Humidity

• 10% to 90% Non-condensing

Physical

• Physical Unit Dimension: 205.3mm(L)x205.3mm(W)x45.9mm(H); Unit Weight: 530g

• Entire Package Dimension: 258mm(L)x247mm(W)x86mm(H); Entire Package Weight: 897.3g

Package Content

• Content GWN7625 802.11ac Wave-2 Wireless AP, Mounting Kits, Quick Installation Guide

Compliance

• FCC, CE, RCM, IC, UKCA

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Please Enquire
