

Grandstream GWN7661 In-Wall Wi-Fi 6 Access Point



Product Name: Grandstream GWN7661 In-Wall Wi-Fi 6 Access Point

Manufacturer: Grandstream

Model Number: GWN7661

Grandstream GWN7661 In-Wall WiFi 6 Access Point

The Grandstream GWN7661 utilises 802.11ax Wi-Fi 6 technology, catering to small-to-medium businesses, offices, homes, and hotels. Equipped with dual-band 2x2:2 MU-MIMO technology and advanced antennas, it enhances network speed and coverage. It is particularly well-suited for high-density environments, ensuring consistent high-speed Wi-Fi.

Grandstream GWN7661 Key Features:

- 1.77 Gbps wireless, 4x Gigabit wired: fast connections, multiple devices.
- Dual-band MU-MIMO enhances efficiency for numerous devices.
- Handles 500+ concurrent Wi-Fi clients, ensuring seamless connectivity.
- Auto-adjusts power based on PoE, PoE+ for efficient usage.
- Advanced QoS ensures low-latency app performance.
- Secure boot, data/control protection via digital signatures, unique certificates.
- Embedded controller manages 50 local GWN APs; GWN.Cloud offers limitless AP management; GWN Manager for on-premise.

With three Gigabit network ports and an uplink Gigabit port with PoE/PoE+ support, the GWN7661 serves devices like IP phones and computers, while seamlessly blending into surroundings with its in-wall design. It employs a controller-less approach for easy installation and management, and it is compatible with GWN.Cloud and GWN Manager, making it ideal for voice-over-Wi-Fi setups. The GWN7661 offers QoS, support for low-latency apps, mesh networks, and captive portals. It can handle 500+ concurrent clients, making it perfect for medium wireless networks. Its capabilities establish it as a reliable choice for efficient, high-performance Wi-Fi connectivity.

Grandstream GWN7661 Technical Specifications

Wi-Fi Standards

• IEEE 802.11 a/b/g/n/ac/ax

Antennas

• 4 single band internal antennas

• 2.4GHz x 2, gain 3.30dBi, gain 3.51dBi

• 5GHz x 2: gain 4.79dBi, gain 5.37dBi

Wi-Fi Data Rates

5G:

• IEEE 802.11ax: 7.3 Mbps to 1201 Mbps

• IEEE 802.11ac: 6.5 Mbps to 867 Mbps

• IEEE 802.11n: 6.5Mbps to 300Mbps

• IEEE 802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps

2.4G:

• IEEE 802.11ax: 7.3 Mbps to 573.5 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

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*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

½ 2.4GHz Radio: 2412 - 2484 MHz

½ 5GHz Radio: 5180 - 5825 MHz

½ *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 critical data/control lockdown via digital signatures, unique security certificate and random default password per device

MIMO

½ 2×2 2.4GHz

½ 2×2 5GHz

Coverage Range

½ Up to 100 meters

½ *coverage range can vary based on environment

Maximum TX Power

½ 2.4G: 24dBm

½ 5G: 27dBm

½ *Maximum power varies by country, frequency band and MCS rate

Receiver Sensitivity

½ 5G

½ 802.11a: -92dBm @6Mbps, -74dBm @54Mbps;

½ 802.11n 20MHz: -73dBm @MCS7; 802.11n 40MHz:-70dBm @MCS7;

½ 802.11ac 20MHz: -67dBm@MCS8; 802.11ac 40MHz:- 63dBm @MCS9; 802.11ac 80MHz:

-59dBm @MCS9;

½ 802.11ax 20MHz: -60dBm @MCS11; 802.11ax 40MHz: -58dBm @MCS11; 802.11ax 80MHz:

-56dBm @MCS11

½ 2.4G

½ 802.11b: -96dBm@1Mbps, -88dBm@11Mbps;

½ 802.11g: -93dBm @6Mbps, -75dBm@54Mbps;

½ 802.11n 20MHz: -73dBm @MCS7; 802.11n 40MHz:-70dBm @MCS7

½ 802.11ax 20MHz: -60dBm @MCS11; 802.11ax 40MHz: -58dBm @MCS11

SSIDs

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

Concurrent Clients

• Up to 500+

Network Interfaces

• 1x 10/100/1000M uplink Ethernet port with PoE/PoE+
• 2x 10/100/1000M Ethernet ports with PSE
• 1x 10/100/1000M Ethernet port

Auxiliary Ports

• 1x Reset Pinhole

Mounting

• In-wall mountable

LEDs

• 1 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

• Support 802.3az
• PoE 802.3af/ 802.3at;
• PSE Maximum Output Per Port: 6W; Maximum Power Consumption: 25W

Environmental

• Operation: -10°C to 50°C
• Storage: -30°C to 60°C
• Humidity: 5% to 95% Non-condensing

Physical Unit

• Dimension: 135mm(L)x86mm(W)x38.5mm(H); Unit Weight: 185g

Entire Package

Grandstream GWN7661 In-Wall Wi-Fi 6 Access Point

Dimension: 176mm(L)x118.5mm(W)x65mm(H); Entire Package Weight: 400g

Package Content

GWN7661 Wi-Fi 6 In-Wall Wireless AP

Mounting Kits

Quick Installation Guide

Compliance

FCC, CE, RCM, IC, UKCA

Price: £71.25
