

Grandstream GWN7661 In-Wall WiFi 6 Access Point



Product Name: Grandstream GWN7661 In-Wall WiFi 6 Access Point

Manufacturer: Grandstream

Model Number: GWN7661

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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

IEEE 802.11n 2.4GHz Radio: 2412 - 2484 MHz

IEEE 802.11n 5GHz Radio: 5180 - 5825 MHz

IEEE 802.11n *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

IEEE 802.11n 2x2 2.4GHz

IEEE 802.11n 2x2 5GHz

Coverage Range

IEEE 802.11n Up to 100 meters

IEEE 802.11n *coverage range can vary based on environment

Maximum TX Power

IEEE 802.11n 2.4G: 24dBm

IEEE 802.11n 5G: 27dBm

IEEE 802.11n *Maximum power varies by country, frequency band and MCS rate

Receiver Sensitivity

IEEE 802.11n 5G

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

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

IEEE 802.11ac 20MHz: -67dBm @MCS8; 802.11ac 40MHz: -63dBm @MCS9; 802.11ac 80MHz: -59dBm @MCS9;

IEEE 802.11ax 20MHz: -60dBm @MCS11; 802.11ax 40MHz: -58dBm @MCS11; 802.11ax 80MHz: -56dBm @MCS11

IEEE 802.11n 2.4G

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

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

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

IEEE 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 WiFi 6 Access Point

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

Package Content

1½ GWN7661 Wi-Fi 6 In-Wall Wireless AP

1½ Mounting Kits

1½ Quick Installation Guide

Compliance

1½ FCC, CE, RCM, IC, UKCA

Price: £71.25
