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:

ï¿½ 1.77 Gbps wireless, 4x Gigabit wired: fast connections, multiple devices.
ï¿½ Dual-band MU-MIMO enhances efficiency for numerous devices.
ï¿½ Handles 500+ concurrent Wi-Fi clients, ensuring seamless connectivity.
ï¿½ Auto-adjusts power based on PoE, PoE+ for efficient usage.
ï¿½ Advanced QoS ensures low-latency app performance.
ï¿½ Secure boot, data/control protection via digital signatures, unique certificates.
ï¿½ 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

ï¿½ IEEE 802.11 a/b/g/n/ac/ax

Antennas

ï¿½ 4 single band internal antennas
ï¿½ 2.4GHz x 2, gain 3.30dBi, gain 3.51dBi
ï¿½ 5GHz x 2: gain 4.79dBi, gain 5.37dBi

Wi-Fi Data Rates
5G:

ï¿½ IEEE 802.11ax: 7.3 Mbps to 1201 Mbps
ï¿½ IEEE 802.11ac: 6.5 Mbps to 867 Mbps
ï¿½ IEEE 802.11n: 6.5Mbps to 300Mbps
ï¿½ IEEE 802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps

2.4G:

ï¿½ IEEE 802.11ax: 7.3 Mbps to 573.5 Mbps
ï¿½ IEEE 802.11n: 6.5Mbps to 300Mbps
ï¿½ IEEE 802.11b: 1, 2, 5.5, 11 Mbps
ï¿½ 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

ï¿½ 2.4GHz Radio: 2412 - 2484 MHz
ï¿½ 5GHz Radio: 5180 - 5825 MHz
ï¿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

ï¿½ 2×2:2 2.4GHz
ï¿½ 2×2:2 5GHz

Coverage Range

ï¿½ Up to 100 meters
ï¿½ *coverage range can vary based on environment

Maximum TX Power

ï¿½ 2.4G: 24dBm
ï¿½ 5G: 27dBm
ï¿½ *Maximum power varies by country, frequency band and MCS rate

Receiver Sensitivity

ï¿½ 5G

ï¿½ 802.11a: -92dBm @6Mbps, -74dBm @54Mbps;
ï¿½ 802.11n 20MHz: -73dBm @MCS7; 802.11n 40MHz:-70dBm @MCS7;
ï¿½ 802.11ac 20MHz: -67dBm@MCS8; 802.11ac 40MHz:- 63dBm @MCS9; 802.11ac 80MHz: -59dBm @MCS9;
ï¿½ 802.11ax 20MHz: -60dBm @MCS11; 802.11ax 40MHz: -58dBm @MCS11; 802.11ax 80MHz: -56dBm @MCS11

ï¿½ 2.4G

ï¿½ 802.11b: -96dBm@1Mbps, -88dBm@11Mbps;
ï¿½ 802.11g: -93dBm @6Mbps, -75dBm@54Mbps;
ï¿½ 802.11n 20MHz: -73dBm @MCS7; 802.11n 40MHz:-70dBm @MCS7
ï¿½ 802.11ax 20MHz: -60dBm @MCS11; 802.11ax 40MHz: -58dBm @MCS11

SSIDs

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ï¿½ 32 SSIDs total, 16 per radio (2.4GHz & 5GHz)

Concurrent Clients

ï¿½ Up to 500+

Network Interfaces

ï¿½ 1x 10/100/1000M uplink Ethernet port with PoE/PoE+
ï¿½ 2x 10/100/1000M Ethernet ports with PSE
ï¿½ 1x 10/100/1000M Ethernet port

Auxiliary Ports

ï¿½ 1x Reset Pinhole

Mounting

ï¿½ In-wall mountable

LEDs

ï¿½ 1 tri-color LED for device tracking and status indication

Network Protocols

ï¿½ IPv4, IPv6, 802.1Q, 802.1p, 802.1x, 802.11e/WMM

QoS

ï¿½ 802.11e/WMM, VLAN, TOS

Network Management

ï¿½ Embedded controller can manage up to 50 local GWN APs
ï¿½ GWN.Cloud offers a free cloud management platform for unlimited GWN APs
ï¿½ GWN Manager offers premise-based software controller for up to 3,000 GWN APs

Power and Green Energy Efficiency

ï¿½ Support 802.3az
ï¿½ PoE 802.3af/ 802.3at;
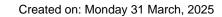ï¿½ PSE Maximum Output Per Port: 6W; Maximum Power Consumption: 25W

Environmental

ï¿½ Operation: -10°C to 50°C
ï¿½ Storage: -30°C to 60°C
ï¿½ Humidity: 5% to 95% Non-condensing

Physical Unit

ï¿½ Dimension: 135mm(L)x86mm(W)x38.5mm(H); Unit Weight: 185g

Entire Package

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ï¿½ Dimension: 176mm(L)x118.5mm(W)x65mm(H); Entire Package Weight: 400g

Package Content

ï¿½ GWN7661 Wi-Fi 6 In-Wall Wireless AP
ï¿½ Mounting Kits
ï¿½ Quick Installation Guide

Compliance

ï¿½ FCC, CE, RCM, IC, UKCA

Price: £63.40