



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:

آذِيًا 1.77 Gbps wireless, 4x Gigabit wired: fast connections, multiple devices.

าั¿½ Dual-band MU-MIMO enhances efficiency for numerous devices.

រដ្ឋ½ 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.

T¿½ Secure boot, data/control protection via digital signatures, unique certificates.

T¿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¿1/2 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:

ī¿½ IEEE 802.11ax: 7.3 Mbps to 1201 Mbps � IEEE 802.11ac: 6.5 Mbps to 867 Mbps � IEEE 802.11n: 6.5 Mbps to 300 Mbps

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

2.4G:

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

� 2.4GHz Radio: 2412 - 2484 MHz � 5GHz Radio: 5180 - 5825 MHz

า๊¿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

� 2×2:2 2.4GHz � 2×2:2 5GHz

Coverage Range

ï¿⅓ Up to 100 meters

� *coverage range can vary based on environment

Maximum TX Power

� 2.4G: 24dBm � 5G: 27dBm

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

Receiver Sensitivity

5G ½3ï

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

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

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

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

� 2.4G

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

ï¿1/2 802.11g: -93dBm @6Mbps, -75dBm@54Mbps;

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

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

SSIDs



� 32 SSIDs total, 16 per radio (2.4GHz & amp; 5GHz)

Concurrent Clients

� Up to 500+

Network Interfaces

าั¿½ 1x 10/100/1000M uplink Ethernet port with PoE/PoE+

 \ddot{i} ¿½ 2x 10/100/1000M Ethernet ports with PSE

ï¿1/2 1x 10/100/1000M Ethernet port

Auxiliary Ports

� 1x Reset Pinhole

Mounting

آزٰ In-wall mountable

LEDs

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

Network Protocols

� IPv4, IPv6, 802.1Q, 802.1p, 802.1x, 802.11e/WMM

QoS

ï¿1/2 802.11e/WMM, VLAN, TOS

Network Management

าั¿½ Embedded controller can manage up to 50 local GWN APs

ī¿1/2 GWN.Cloud offers a free cloud management platform for unlimited GWN APs

ī సైస్త GWN Manager offers premise-based software controller for up to 3,000 GWN APs

Power and Green Energy Efficiency

ï¿⅓ Support 802.3az

� PoE 802.3af/ 802.3at;

آذِن PSE Maximum Output Per Port: 6W; Maximum Power Consumption: 25W

Environmental

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

Physical Unit

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

Entire Package



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

Package Content

� GWN7661 Wi-Fi 6 In-Wall Wireless AP

ï¿⅓ Mounting Kits

� Quick Installation Guide

Compliance

ï¿⅓ FCC, CE, RCM, IC, UKCA

Price: £71.25