Grandstream GWN7662 Indoor WiFi 6 Access Point

Product Name: Grandstream GWN7662 Indoor WiFi 6 Access Point
Manufacturer: Grandstream
Model Number: GWN7662

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The Grandstream GWN7662 access point is an advanced 802.11ax Wi-Fi 6 solution designed for small to medium-sized businesses, retail, hospitality, and education. It employs 4x4 MU-MIMO on the 5G band and 2x2 MU-MIMO on the 2.4G band, enhancing network speed and coverage for crowded environments.
Grandstream GWN7662 Key Features:

ï¿½ 5.38 Gbps wireless, 3.5 Gigabit wired speed
ï¿½ 5GHz 4x4 MU-MIMO with DL/UL OFDMA
ï¿½ Up to 175m coverage range
ï¿½ Supports 256 Wi-Fi clients concurrently
ï¿½ Advanced QoS for low-latency app performance
ï¿½ Anti-hacking secure boot, data lockdown via signatures
ï¿½ Self power adaptation for PoE/PoE+ detection
ï¿½ Embedded controller manages 50 local GWN APs; GWN.Cloud offers unlimited AP management; GWN Manager has premise-based software control.

Its installation and management are streamlined through a controller-less approach with an embedded controller in the web interface. Compatibility with GWN.Cloud and GWN Manager offers versatile cloud-based and on-premise Wi-Fi management. Notably, it seamlessly integrates with Grandstream's Wi-Fi IP phones for reliable voice-over-Wi-Fi setups.
The GWN7662 supports advanced QoS, low-latency applications, mesh networking, and accommodates up to 256 clients per access point. With dual Gigabit network ports and PoE/PoE+ support, it's an ideal choice for medium-sized wireless networks requiring solid performance.
Grandstream GWN7662 Technical Specifications
Wi-Fi Standards

ï¿½ IEEE 802.11 a/b/g/n/ac(Wave-2)/ax

Antennas

ï¿½ 6 single frequency internal antennas
ï¿½ 2.4GHz: 3.65dBi
ï¿½ 5GHz: 5.26dBi

Wi-Fi Data Rates

ï¿½ 5G:

ï¿½ IEEE 802.11ax: 8.6Mbps to 4804Mbps
ï¿½ IEEE 802.11ac: 6.5 Mbps to 3464 Mbps
ï¿½ IEEE 802.11n: 6.5Mbps to 600Mbps
ï¿½ IEEE 802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps

ï¿½ 2.4G:

ï¿½ IEEE 802.11ax: 8.6Mbps to 573.5Mbps
ï¿½ IEEE 802.11n: 6.5Mbps to 300Mbps
ï¿½ IEEE 802.11b: 1, 2, 5.5, 11 Mbps

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ï¿½ IEEE 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps

Frequency Bands

ï¿½ 2.4GHz Radio: 2412 - 2484 MHz (WIFI)
ï¿½ 5GHz Radio: 5180 - 5825 MHz
ï¿½ *Not all frequency bands can be used in all regions

Channel Bandwidth

ï¿½ 2.4G: 20 and 40 MHz
ï¿½ 5G: 20, 40, 80 and 160MHz

Wi-Fi and System Security

ï¿½ 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 (MU-MIMO)
ï¿½ 4×4:4 5GHz (MU-MIMO)

Coverage Range

ï¿½ Up to 175 meters
ï¿½ *Coverage range can vary based on environment

Maximum TX Power

ï¿½ 2.4G: 25dBm
ï¿½ 5G: 27dBm
ï¿½ *Maximum power varies by country, frequency band and MCS rate

Receiver Sensitivity

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

ï¿½ 5G:

ï¿½ 802.11a: -92dBm @6Mbps, -74dBm @54Mbps;
ï¿½ 802.11n 20MHz: -74dBm @MCS7; 802.11n 40MHz:-71dBm @MCS7;
ï¿½ 802.11ac 20MHz: -67dBm@MCS8; 802.11ac HT40:- 63dBm @MCS9;
ï¿½ 802.11ac 80MHz: -59dBm @MCS9; 802.11ax 20MHz: -60dBm @MCS11;
ï¿½ 802.11ax 40MHz: -58dBm @MCS11; 802.11ax 80MHz: -56dBm @MCS11

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SSIDs

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

Concurrent Clients

ï¿½ 256

Network Interfaces

ï¿½ 1x autosensing 10/100/1000 Base-T Ethernet Port
ï¿½ 1x autosensing 10/100/1000/2500 Base-T Ethernet Port

Auxiliary Ports

ï¿½ 1x Reset Pinhole
ï¿½ 1x Kensington lock

Mounting

ï¿½ Indoor wall mount or ceiling mount, kits included

LEDs

ï¿½ 3 tri-color LEDs 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 manages up to 50 local GWN APs
ï¿½ GWN.Cloud offers free cloud management for unlimited GWN APs
ï¿½ GWN Manager provides premise-based software controller for up to 3,000 GWN APs

Power and Green Energy Efficiency

ï¿½ Supports 802.3az PoE 802.3af/ 802.3at;
ï¿½ Maximum Power Consumption: 16W

Environmental

ï¿½ Operation: -10°C to 45°C
ï¿½ Storage: -30°C to 60°C
ï¿½ Humidity: 5% to 95% Non-condensing

Physical Unit

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ï¿½ Dimension: 205.3mm(L)x205.3mm(W)x45.9mm(H);
ï¿½ Unit Weight: 540g

Entire Package

ï¿½ Dimension: 258mm(L)x247mm(W)x86mm(H);
ï¿½ Entire Package Weight: 910g

Package Content

ï¿½ GWN7662 indoor Wi-Fi 6 Wireless AP
ï¿½ Mounting Kits
ï¿½ Quick Installation Guide

Compliance

ï¿½ FCC, CE, RCM, IC, UKCA

Price: £96.75