GRANDSTREAM
CONNECTING THE WORLD



Wi Fi 6 CERTIFIED

Indoor Wi-Fi 6 Access Point

GWN7662

The GWN7662 is an 802.11ax Wi-Fi 6 access point ideal for small-to-medium sized businesses, home offices, retail shops, restaurants, hospitality,education and more. It offers 4x4:4 MU-MIMO technology on the 5G band and 2x2:2 MU-MIMO on the 2.4G band as well as a sophisticated antenna design for maximum network throughput and expanded Wi-Fi coverage range. Wi-Fi 6 technology supports the modern generation of dense environments where many users and many devices require consistent and reliable Wi-Fi connections at higher speeds. To ensure easy installation and management, the GWN7662 uses a controller-less distributed network management design in which the controller is embedded within the product's web user interface. The GWN7662 is also supported by GWN.Cloud and GWN Manager, Grandstream's free cloud and on-premise Wi-Fi management platform. It is the ideal Wi-Fi AP for voice-over-Wi-Fi deployments and offers a seamless connection with Grandstream's Wi-Fi capable IP phones. With support for advanced QoS, low-latency real-time applications, mesh networks, captive portals, 256 concurrent clients per AP and dual Gigabit network ports with PoE/PoE+, the GWN7662 is the ideal Wi-Fi access point for medium wireless network deployments with medium user density.

Gigabit

5.38 Gbps wireless throughput and 3.5 Gigabit wireline ports

4x4 MIMO

5GHz 4×4:4 MU-MIMO with DL/UL OFDMA technology

175 meters

Up to 175-meter coverage range

Supports 256 concurrent Wi-Fi client devices

QoS

Advanced QoS to ensure real-time performance of low-latency applications

Anti-hacking secure boot and critical data/control lockdown via digital signatures, unique security certificate/random default password per device

PoE

Self power adaptation upon auto detection of PoE or PoE+

Embedded controller can manage up to 50 local GWN series APs; GWN.Cloud offers unlimited AP management; GWN Manager offers premisebased software controller

www.grandstream.com

INFRONT TECHNOLOGIES

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Phone 1300 736 970

sales@infronttech.com.au · infronttech.com.au

For more information call or email — Australia-wide sales, technical support and warranty service.

Wi-Fi Standards	IEEE 802.11 a/b/g/n/ac(Wave-2)/ax
Antennas	6 single frequency internal antennas 2.4GHz 3.65dBi 5GHz 5.26dBi
Wi-Fi Data Rates	**5G:** IEEE802.11ax:8.6Mbps to 4804Mbps IEEE 802.11ac: 6.5 Mbps to 3464 Mbps IEEE 802.11n: 6.5Mbps to 600Mbps IEEE 802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps **2.4G:** IEEE 802.11ax:8.6Mbps to 573.5Mbps 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 **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(WIFI) 5GHz Radio: 5180 - 5825 MHz **Not all frequency bands can be used in all regions*
Channel Bandwidth	2.4G: 20 and 40 MHz 5G: 20, 40 , 80 and 160MHz
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 (MU-MIMO) 4×4:4 5GHz (MU-MIMO)
Coverage Range	Up to 175 meters **coverage range can vary based on environment*
Maximum TX Power	2.4G: 25dBm 5G: 27dBm **Maximum power varies by country, frequency band and MCS rate*
Receiver Sensitivity	**2.4G** 802.11b: -96dBm@1Mbps, -88dBm@11Mbps; 802.11g: -93dBm @6Mbps, -75dBm@54Mbps; 802.11n 20MHz: -73dBm @MCS7; 802.11n 40MHz:-70dBm @MCS7 802.11ax 20MHz: -60dBm @ MCS11; 802.11ax 40MHz: -58dBm @MCS11 **5G** 802.11a: -92dBm @6Mbps, -74dBm @54Mbps; 802.11n 20MHz: -74dBm @MCS7; 802.11n 40MHz:-71dBm @MCS7 802.11ac 20MHz: -67dBm@MCS8; 802.11ac: HT40:- 63dBm @MCS9; 802.11ac 80MHz: -59dBm @MCS9 802.11ax 20MHz: -60dBm @MCS11; 802.11ax 40MHz: -58dBm @MCS11;802.11ax 80MHz: -56dBm @ MCS11
SSIDs	32 SSIDs total, 16 per radio (2.4GHz & 5GHz)
Concurrent Clients	256
Network Interfaces	1x autosensing 10/100/1000 Base-T Ethernet Port 1x autosensing 10/100/1000/2500 Base-T Ethernet Port
Auxiliary Ports	1x Reset Pinhole, 1x Kensington lock
Mounting	Indoor wall mount or ceiling mount, kits included
LEDs	3 tri-color LEDs 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	Supports 802.3az PoE 802.3af/ 802.3at; Maximum Power Consumption: 16W
Environmental	Operation: -10°C to 45°C Storage: -30°C to 60°C Humidity: 5% to 95% Non-condensing
Physical	Unit Dimension: 205.3mm(L)x205.3mm(W)x45.9mm(H); Unit Weight: 540g Entire Package Dimension: 258mm(L)x247mm(W)x86mm(H); Entire Package Weight: 910g
Package Content	GWN7662 indoor Wi-Fi 6 Wireless AP, Mounting Kits, Quick Installation Guide
Compliance	FCC, CE, RCM, IC, UKCA

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