



# 802.11ac Wave-2 2x2:2 Wi-Fi Access Point

## GWN7605

The GWN7605 is an affordable 802.11ac Wave-2 Wi-Fi access point ideal for small to medium wireless network deployments with medium user density. It offers dual-band 2x2:2 MU-MIMO with beam-forming technology and a sophisticated antenna design for maximum network throughput and expanded Wi-Fi coverage range. To ensure easy installation and management, the GWN7605 uses a controller-less distributed network management design in which the controller is embedded within the product's web user interface. The GWN7605 is also supported by GWN.Cloud and GWN Manager, Grandstream's 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, 100+ concurrent clients per AP and dual Gigabit network ports with PoE/PoE+, the GWN7605 is a scalable Wi-Fi solution for deployments such as retail locations, restaurants, small offices and more.



**Gigabit**

1.27Gbps aggregate wireless throughput and 2xGigabit wireline ports



**2x2 MIMO**

Dual-band 2x2:2 MU-MIMO with beamforming technology



**PoE**

Self power adaptation upon auto detection of PoE/PoE+



Supports 100+ concurrent Wi-Fi client devices



**165 meters**

Up to 165-meter coverage range



**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



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

<b>Wi-Fi Standards</b>	IEEE 802.11a/b/g/n/ac (Wave-2)
<b>Antennas</b>	2 dual band internal antennas 2.4GHz, gain 3dBi 5 GHz, gain 4dBi
<b>Wi-Fi Data Rates</b>	IEEE 802.11ac: 6.5 Mbps to 867 Mbps IEEE 802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps IEEE 802.11n: 6.5Mbps to 300Mbps; 400Mbps with 256-QAM on 2.4Ghz IEEE 802.11b: 1, 2, 5.5, 11 Mbps IEEE 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps  <i>*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</i>
<b>Frequency Bands</b>	2.4 GHz Radio: 2412 – 2484 MHz 5 GHz Radio: 5180-5825 MHz
<b>Channel Bandwidth</b>	2.4G: 20 and 40 MHz 5G: 20,40 and 80 MHz
<b>Wi-Fi and System Security</b>	WEP, WPA/WPA2-PSK, WPA/WPA2 Enterprise (TKIP/AES), anti-hacking secure boot and critical data/control lockdown via digital signatures, unique security certificate and random default password per device
<b>MIMO</b>	2x2:2 2.4GHz (MIMO) 2x2:2 5GHz (MU-MIMO)
<b>Coverage Range</b>	Up to 165 meters <i>*coverage range can vary based on environment</i>
<b>Maximum TX Power</b>	2.4G:24dBm 5G:22dBm <i>*Maximum power varies by country, frequency band and MCS rate</i>
<b>Receiver Sensitivity</b>	<b>2.4G</b> 802.11b: -96dBm@1Mbps, -88dBm@11Mbps; 802.11g: -93dBm @6Mbps, -75dBm@54Mbps; 802.11n 20MHz: -73dBm @MCS7; 802.11n 40MHz:-70dBm @MCS7 <b>5G</b> 802.11a: -92dBm @6Mbps, -74dBm @54Mbps; 802.11ac 20MHz: -67dBm@MCS8; 802.11ac: HT40:-63dBm @MCS9; 802.11ac 80MHz: -59dBm @MCS9
<b>SSIDs</b>	16 SSIDs total, 8 per radio (2.4 Ghz and 5 Ghz)
<b>Concurrent Clients</b>	100+
<b>Network Interfaces</b>	2 x autosensing 10/100/1000 Base-T Ethernet Ports
<b>Auxiliary Ports</b>	1 x Reset Pinhole, 1 x Kensington lock
<b>Mounting</b>	Indoor wall or ceiling mount, kits included
<b>LEDs</b>	3 x tri-color LED for device tracking and status indication
<b>Network Protocols</b>	IPv4, IPv6, 802.1Q, 802.1p, 802.1x, 802.11e/WMM
<b>QoS</b>	802.11e/WMM, VLAN, TOS
<b>Network Management</b>	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
<b>Power and Green Energy Efficiency</b>	PoE 802.3af/ 802.3at; Maximum Power Consumption:10.16W
<b>Environmental</b>	Operation: 0°C to 40°C Storage: -10°C to 60°C Humidity: 10% to 90% Non-condensing
<b>Physical</b>	Unit Dimension: 180.4mmx180.4mmx40.8mm; Unit Weight: 388.2g Entire Package Dimension: 228.5x220x79mm; Entire Package Weight: 719.3g
<b>Package Content</b>	GWN7605 802.11ac Wireless AP, Mounting Kits, Quick Start Guide
<b>Compliance</b>	FCC, CE, RCM, IC