



# 802.11ac Wave-2 3x3:3 Enterprise Wi-Fi Access Point

## GWN7615

The GWN7615 is an enterprise performance 802.11ac Wave-2 Wi-Fi access point to create scalability for medium to high user density environments. It offers dual-band 3x3:3 MU-MIMO technology and a sophisticated antenna design for maximum network throughput and expanded Wi-Fi coverage range. To ensure easy installation and management, the GWN7615 uses a controller-less distributed network management design in which the controller is embedded within the product's web user interface. The GWN7615 is also supported by GWN.Cloud and GWN Manager, Grandstream's cloud and on-premise Wi-Fi management platforms. 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, 200+ concurrent clients per AP and dual Gigabit network ports with PoE/PoE+, the GWN7615 can be used to create a scalable solution as big or small as needed for the deployment scenario, from office buildings to retail locations, hotels and more.



1.75Gbps aggregate wireless throughput and 2x Gigabit wireline ports



Dual-band 3x3:3 MU-MIMO technology



Self power adaptation upon auto detection of PoE or PoE+



Support 200+ concurrent Wi-Fi client devices



Up to 175-meter coverage range



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 802.11 a/b/g/n/ac (Wave-2)
<b>Antennas</b>	3 dual band internal antennas 2.4GHz, gain 3dBi 5 GHz, gain 3dBi
<b>Wi-Fi Data Rates</b>	IEEE 802.11ac: 6.5 Mbps to 1300Mbps IEEE 802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps IEEE 802.11n: 6.5 Mbps to 450 Mbps IEEE 802.11b: 1, 2, 5.5, 11Mbps 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 40MHz 5G: 20, 40, and 80MHz
<b>Wi-Fi and System Security</b>	WEP, WPA/WPA2-PSK, WPA/WPA2 Enterprise, anti-hacking secure boot and critical data/control lockdown via digital signatures, unique security certificate and random default password per device
<b>MIMO</b>	3x3:3 2.4G(MIMO) 3x3:3 5G(MU-MIMO)
<b>Coverage Range</b>	Up to 175 meters <i>*coverage range can vary based on environment</i>
<b>Maximum TX Power</b>	2.4G: 26 dBm 5G: 24 dBm <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>	32 SSIDs total, 16 per radio (2.4 Ghz and 5 Ghz)
<b>Concurrent Clients</b>	200+
<b>Network Interfaces</b>	2x autosensing 10/100/1000 Base-T Ethernet Ports
<b>Auxiliary Ports</b>	1x Reset Pinhole, 1x Kensington lock
<b>Mounting</b>	Indoor wall mount or ceiling mount, kits included
<b>LEDs</b>	3 x tri-color LEDs 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; Max Consumption: 12.5W
<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: 205.4 x 205.4 x 45.9mm; Unit Weight: 500g Entire Package Dimension: 258 x 247 x 86mm; Entire Package Weight: 867.3g
<b>Package Content</b>	GWN7615 802.11ac Wireless AP, Mounting Kits, Quick Start Guide
<b>Compliance</b>	FCC, CE, RCM, IC