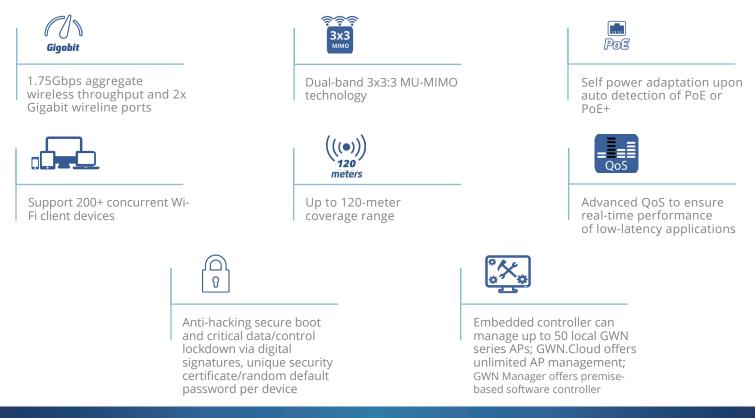# GRANDSTREAM
CONNECTING THE WORLD

802.11ac Wave-2 3×3:3 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 3×3:3 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.

Gigabit
1.75Gbps aggregate wireless throughput and 2x Gigabit wireline ports

3x3 MIMO
Dual-band 3x3:3 MU-MIMO technology

PoE
Self power adaptation upon auto detection of PoE or PoE+

Support 200+ concurrent Wi-Fi client devices

120 meters
Up to 120-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

Wi-Fi Standards	IEEE 802.11 a/b/g/n/ac (Wave-2)
Antennas	3 dual band internal antennas 2.4GHz, gain 3dBi 5 GHz, gain 3dBi
Wi-Fi Data Rates	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 *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	2.4 GHz Radio: 2.4 - 2.4835 GHz 5 GHz Radio: 5.18 - 5.725 GHz
Channel Bandwidth	2.4G: 20 and 40MHz 5G: 20, 40, and 80MHz
Wi-Fi and System Security	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
MIMO	3×3:3 2.4G(MIMO) 3×3:3 5G(MU-MIMO)
Coverage Range	Up to 120 meters *coverage range can vary based on environment*
Maximum E.I.R.P.	20 dBm
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 **5G** 802.11a: -92dBm @6Mbps, -74dBm @54Mbps; 802.11ac 20MHz: -67dBm@MCS8; 802.11ac: HT40:-63dBm @MCS9; 802.11ac 80MHz: -59dBm @MCS9
SSIDs	32 SSIDs total, 16 per radio (2.4 Ghz and 5 Ghz)
Concurrent Clients	200+
Network Interfaces	2x autosensing 10/100/1000 Base-T Ethernet Ports
Auxiliary Ports	1x Reset Pinhole, 1x Kensington lock
Mounting	Indoor wall mount or ceiling mount, kits included
LEDs	3 x 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
Environmental	Operation: 0°C to 40°C Storage: -10°C to 60°C Humidity: 10% to 90% Non-condensing
Physical	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
Package Content	GWN7615 802.11ac Wireless AP, Mounting Kits, Quick Start Guide
Compliance	FCC, CE, RCM, IC