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.

- 1.75Gbps aggregate wireless throughput and 2x Gigabit wireline ports
- Dual-band 3×3:3 MU-MIMO technology
- Self power adaptation upon auto detection of PoE or PoE+
- Support 200+ concurrent Wi-Fi client devices
- Up to 120-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

www.grandstream.com
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
3x3:3 2.4G(MIMO)
3x3:3 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