

Grandstream GWN7615 802.11ac Wave-2 Enterprise WiFi Access Point



Product Name: Grandstream GWN7615 802.11ac Wave-2 Enterprise WiFi Access Point

Manufacturer: Grandstream

Model Number: GWN7615

Grandstream GWN7615 802.11ac Wave-2 Enterprise WiFi Access Point

The Grandstream GWN7615 is an enterprise performance 802.11ac Wave-2 WiFi 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 WiFi 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.

Grandstream GWN7615 Key Features

- 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 WiFi 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 premisebased software controller

The GWN7615 is also supported by GWN.Cloud and GWN Manager, Grandstream's cloud and on-premise WiFi management platforms. It is the ideal WiFi AP for voice-over WiFi deployments and offers a seamless connection with Grandstream's WiFi-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.

Grandstream GWN7615 Technical Specification

WiFi 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

WiFi 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

Grandstream GWN7615 802.11ac Wave-2 Enterprise WiFi Access Point

Frequency Bands

• 2.4 GHz Radio: 2412 – 2484 MHz
• 5 GHz Radio: 5180-5825 MHz

Channel Bandwidth

• 2.4G: 20 and 40MHz
• 5G: 20, 40, and 80MHz

WiFi 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 2.4G(MIMO)
• 3x3 5G(MU-MIMO)

Coverage Range

• Up to 175 meters
• *coverage range can vary based on the environment

Maximum TX Power

• 2.4G: 26 dBm
• 5G: 24 dBm
• *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
• 5G: 802.11a: -92dBm @6Mbps, -74dBm @54Mbps; 802.11ac 20MHz: -67dBm@MCS8; 802.11ac: HT40:- 63dBm @MCS9; 802.11ac 80MHz: -59dBm @MCS9

SSIDs

• 16 SSIDs per access point

Concurrent clients

• 200+

Network Interfaces

• 2x autosensing 10/100/1000 Base-T Ethernet Ports

Auxiliary Ports

Grandstream GWN7615 802.11ac Wave-2 Enterprise WiFi Access Point

• 1x Reset Pinhole, 1x Kensington lock

Mounting

• Indoor wall 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

Power and Green Energy Efficiency

• PoE 802.3af/ 802.3at;

• Max Consumption: 12.5W

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

Grandstream GWN7615 802.11ac Wave-2 Enterprise WiFi Access Point

Price: £66.75
