

Grandstream Enterprise Wi-Fi Access Point (GWN7630)



Product Name: Grandstream Enterprise Wi-Fi Access Point (GWN7630)

Manufacturer: Grandstream

Model Number: GWN7630

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The Grandstream GWN7630 is a high-performance 802.11ac Wave-2 Wi-Fi access point for small to medium sized businesses, multiple floor offices, commercial locations and branch offices. It offers dual-band 4×4 MU-MIMO technology and a sophisticated antenna design for maximum network throughput and expanded Wi-Fi coverage range.

Grandstream GWN7630 Key Features

- 2.33 Gbps wireless throughput and 2 Gigabit wireline ports
- Dual-band 4×4 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

To ensure easy installation and management, the GWN7630 uses a controller-less distributed network management design in which the controller is embedded within the product's web user interface. The GWN7630 is also supported by GWN.Cloud, Grandstream's free cloud 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, 200+ concurrent clients per AP and dual Gigabit network ports with PoE/PoE+, the GWN7630 is an ideal Wi-Fi access point for medium wireless network deployments with medium-to-high user density.

Grandstream GWN7630 Technical Specification

WiFi Standards

- IEEE 802.11 a/b/g/n/ac (Wave-2)

Antennas

- 4 dual band internal antennas
- 2.4GHz, gain 4dBi
- 5 GHz, gain 5dBi

WiFi Data Rates

- IEEE 802.11ac: 6.5 Mbps to 1733Mbps
- IEEE 802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps
- IEEE 802.11n: 6.5Mbps to 600Mbps
- IEEE 802.11b: 1, 2, 5.5, 11 Mbps
- IEEE 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps
- *Actual throughput may vary depending on many factors including environmental conditions, the distance between devices, radio interference in the operating environment and mix of devices in the network

Frequency Bands

Grandstream Enterprise Wi-Fi Access Point (GWN7630)

• 2.4GHz radio: 2412 - 2484 MHz
• 5GHz radio: 5180 - 5825 MHz

Channel Bandwidth

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

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

• 4x4 2.4G(MIMO)
• 4x4 5G(MU-MIMO)

Coverage Range

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

Maximum TX Power

• 2.4G: 27 dBm
• 5G: 25 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

• 15 SSIDs per access point

Concurrent clients

• 200+

Network Interfaces

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

Auxiliary Ports

• 1x Reset Pinhole, 1x Kensington lock

Mounting

Grandstream Enterprise Wi-Fi Access Point (GWN7630)

Indoor wall mount or ceiling mount, kits included

LEDs

3 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

≤ 50 APs: Light-weight Master in AP

≥ 50 APs: Cloud management (GWN.Cloud)

Power and Green Energy Efficiency

Support 802.3 az ;

POE 802.3af/ 802.3at;

Max Consumption: 16.5W

Environmental

Operation: 0°C to 40°C

Storage: -10°C to 60°C

Humidity: 10% to 90% Non-condensing

Physical

Unit Dimension: 205.3 x 205.3 x 45.9mm; Unit Weight: 590g

Unit + Mounting Kits Dimension : 205.3 x 205.3 x 50.9mm; Unit + Mounting Kits Weight :

710g

Entire Package Dimension: 258 x 247 x 86mm; Entire Package Weight: 930g

Package Content

GWN7630 802.11ac Wave-2 Wireless AP, Mounting Kits, Quick Start Guide

Compliance

FCC, CE, RCM, IC

Price: Â£80.10