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 4×4:4 MU-MIMO technology and a sophisticated antenna design for maximum network throughput and expanded Wi-Fi coverage range.
 Grandstream GWN7630 Key Features

ï¿½ 2.33 Gbps wireless throughput and 2 Gigabit wireline ports
ï¿½ Dual-band 4×4:4 MU-MIMO technology
ï¿½ Self power adaptation upon auto detection of PoE or PoE+
ï¿½ Support 200+ concurrent Wi-Fi client devices
ï¿½ Up to 175-meter coverage range
ï¿½ Advanced QoS to ensure real-time performance of low-latency applications
ï¿½ Anti-hacking secure boot and critical data/control lockdown via digital signatures, unique security certificate/random default password per device
ï¿½ 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

ï¿½ IEEE 802.11 a/b/g/n/ac (Wave-2)

Antennas

ï¿½ 4 dual band internal antennas
ï¿½ 2.4GHz, gain 4dBi
ï¿½ 5 GHz, gain 5dBi

WiFi Data Rates

ï¿½ IEEE 802.11ac: 6.5 Mbps to 1733Mbps
ï¿½ IEEE 802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps
ï¿½ IEEE 802.11n: 6.5Mbps to 600Mbps
ï¿½ IEEE 802.11b: 1, 2, 5.5, 11 Mbps
ï¿½ IEEE 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps
ï¿½ *Actual throughput may vary depending on many factors including environmental conditions, the distance betweendevices, radio interference in the operating environment and mix of devices in the network

Frequency Bands

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ï¿½ 2.4GHz radio: 2412 - 2484 MHz
ï¿½ 5GHz radio: 5180 - 5825 MHz

Channel Bandwidth

ï¿½ 2.4G: 20 and 40 MHz
ï¿½ 5G: 20,40 and 80 MHz

WiFi and System Security

ï¿½ 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

ï¿½ 4×4:4 2.4G(MIMO)
ï¿½ 4×4:4 5G(MU-MIMO)

Coverage Range

ï¿½ Up to 175 meters
ï¿½ *coverage range can vary based on the environment

Maximum TX Power

ï¿½ 2.4G: 27 dBm
ï¿½ 5G: 25 dBm
ï¿½ *Maximum power varies by country, frequency band and MCS rate

Receiver Sensitivity

ï¿½ 2.4G: 802.11b: -96dBm@1Mbps, -88dBm@11Mbps; 802.11g: -93dBm @6Mbps, -75dBm@54Mbps; 802.11n 20MHz: -73dBm @MCS7; 802.11n 40MHz:-70dBm @MCS7
ï¿½ 5G: 802.11a: -92dBm @6Mbps, -74dBm @54Mbps; 802.11ac 20MHz: -67dBm@MCS8; 802.11ac: HT40:- 63dBm @MCS9; 802.11ac 80MHz: -59dBm @MCS9

SSIDs

ï¿½ 15 SSIDs per access point

Concurrent clients

ï¿½ 200+

Network Interfaces

ï¿½ 2x autosensing 10/100/1000 Base-T Ethernet Ports

Auxiliary Ports

ï¿½ 1x Reset Pinhole, 1x Kensington lock

Mounting

Grandstream Enterprise Wi-Fi Access Point (GWN7630)

ï¿½ Indoor wall mount or ceiling mount, kits included

LEDs

ï¿½ 3 tri-color LEDs for device tracking and status indication

Network Protocols

ï¿½ IPv4, IPv6, 802.1Q, 802.1p, 802.1x, 802.11e/WMM

QoS

ï¿½ 802.11e/WMM, VLAN, TOS

Network Management

ï¿½
≤ 50 APs: Light-weight Master in AP

ï¿½
≥ 50 APs: Cloud management (GWN.Cloud)

Power and Green Energy Efficiency

ï¿½ Support 802.3 az ;
ï¿½ POE 802.3af/ 802.3at;
ï¿½ Max Consumption: 16.5W

Environmental

ï¿½ Operation: 0°C to 40°C
ï¿½ Storage: -10°C to 60°C
ï¿½ Humidity: 10% to 90% Non-condensing

Physical

ï¿½ Unit Dimension: 205.3 x 205.3 x 45.9mm; Unit Weight: 590g
ï¿½ Unit + Mounting Kits Dimension : 205.3 x 205.3 x 50.9mm; Unit + Mounting Kits Weight : 710g
ï¿½ Entire Package Dimension: 258 x 247 x 86mm; Entire Package Weight: 930g

Package Content

ï¿½ GWN7630 802.11ac Wave-2 Wireless AP, Mounting Kits, Quick Start Guide

Compliance

ï¿½ FCC, CE, RCM, IC

Price: £81.75