GRANDSTREAM
CONNECTING THE WORLD

802.11ac Wave-2 4×4:4 Enterprise Wi-Fi Access Point

GWN7630

The 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. 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.

Gigabit

2.33 Gbps wireless throughput and 2 Gigabit wireline ports

4x4 MIMO

Dual-band 4×4:4 MU-MIMO technology

PoE

Self power adaptation upon auto detection of PoE or PoE+

Support 200+ concurrent Wi-Fi client devices

175 meters

Up to 175-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

Wi-Fi 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
Wi-Fi 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, distance between devices, radio interference in the operating environment and mix of devices in the network*
Frequency Bands	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
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	4×4:4 2.4G(MIMO) 4×4:4 5G(MU-MIMO)
Coverage Range	Up to 175 meters **coverage range can vary based on 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	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