



802.11ac Wave-2 Enterprise WiFi Access Point

GWN7630

The GWN7600 is a high-performance 802.11ac Wave-2 WiFi access point for small to medium sized businesses, multiple floor offices, commercial locations and branch offices. It offers dual-band 4x4:4 MU-MIMO technology and a sophisticated antenna design for maximum network throughput and expanded WiFi 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 WiFi management platform. It is the ideal WiFi AP for voice-over-WiFi deployments and offers a seamless connection with Grandstream's WiFi-capable IP phones, including the WP800 series. 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 WiFi access point for medium wireless network deployments with medium-to-high user density.



Gigabit

2.33 Gbps wireless throughput and 2 Gigabit ethernet ports



Dual-band 4x4:4 MU-MIMO technology



PoE

Auto 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 GWN7600s; GWN.Cloud offers unlimited management of GWN series APs

WiFi Standards	IEEE 802.11 a/b/g/n/ac (802.11ac Wave-2)
Antennas	4 dual band internal antennas, beamforming support 2.4GHz with 4dBi gain 5 GHz with 5dBi gain
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 <i>*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</i>
Frequency Bands	2.4GHz radio: 2412 - 2484 GHz 5GHz radio: 5180 - 5825 GHz
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	4x4:4 2.4G (MIMO) 4X4:4 5G (MU-MIMO)
Coverage Range	Up to 175 meters <i>*coverage range can vary based on environment</i>
Maximum TX Power	2.4G: 27 dBm 5G: 25 dBm <i>*Maximum power varies by country, frequency band and MCS rate</i>
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	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