



# 802.11ac Wave-2 4x4:4 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 4x4:4 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 4x4:4 MU-MIMO technology



**PoE**  
 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

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|--|---|
| <b>Wi-Fi Standards</b>                   | IEEE 802.11 a/b/g/n/ac (Wave-2)   |
| <b>Antennas</b>                          | 4 dual band internal antennas<br>2.4GHz, gain 4dBi<br>5 GHz, gain 5dBi  |
| <b>Wi-Fi Data Rates</b>                  | IEEE 802.11ac: 6.5 Mbps to 1733Mbps<br>IEEE 802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps<br>IEEE 802.11n: 6.5Mbps to 600Mbps<br>IEEE 802.11b: 1, 2, 5.5, 11 Mbps<br>IEEE 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps<br><br><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> |
| <b>Frequency Bands</b>                   | 2.4GHz radio: 2412 - 2484 MHz<br>5GHz radio: 5180 - 5825 MHz  |
| <b>Channel Bandwidth</b>                 | 2.4G: 20 and 40 MHz<br>5G: 20,40 and 80 MHz   |
| <b>Wi-Fi and System Security</b>         | 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  |
| <b>MIMO</b>                              | 4x4:4 2.4G(MIMO)<br>4x4:4 5G(MU-MIMO)   |
| <b>Coverage Range</b>                    | Up to 175 meters<br><i>*coverage range can vary based on environment</i>  |
| <b>Maximum TX Power</b>                  | 2.4G: 27 dBm<br>5G: 25 dBm<br><i>*Maximum power varies by country, frequency band and MCS rate</i>  |
| <b>Receiver Sensitivity</b>              | <b>2.4G</b><br>802.11b: -96dBm@1Mbps, -88dBm@11Mbps; 802.11g: -93dBm @6Mbps, -75dBm@54Mbps;<br>802.11n 20MHz: -73dBm @MCS7; 802.11n 40MHz:-70dBm @MCS7<br><b>5G</b><br>802.11a: -92dBm @6Mbps, -74dBm @54Mbps; 802.11ac 20MHz: -67dBm@MCS8;<br>802.11ac: HT40:- 63dBm @MCS9; 802.11ac 80MHz: -59dBm @MCS9   |
| <b>SSIDs</b>                             | 15 SSIDs per access point   |
| <b>Concurrent Clients</b>                | 200+  |
| <b>Network Interfaces</b>                | 2x autosensing 10/100/1000 Base-T Ethernet Ports  |
| <b>Auxiliary Ports</b>                   | 1x Reset Pinhole, 1x Kensington lock  |
| <b>Mounting</b>                          | Indoor wall mount or ceiling mount, kits included   |
| <b>LEDs</b>                              | 3 tri-color LEDs for device tracking and status indication  |
| <b>Network Protocols</b>                 | IPv4, IPv6, 802.1Q, 802.1p, 802.1x, 802.11e/WMM   |
| <b>QoS</b>                               | 802.11e/WMM, VLAN, TOS  |
| <b>Network Management</b>                | ≤ 50 APs: Light-weight Master in AP<br>≥ 50 APs: Cloud management (GWN.Cloud)   |
| <b>Power and Green Energy Efficiency</b> | Support 802.3 az ;<br>POE 802.3af/ 802.3at;<br>Max Consumption: 16.5W   |
| <b>Environmental</b>                     | Operation: 0°C to 40°C<br>Storage: -10°C to 60°C<br>Humidity: 10% to 90% Non-condensing   |
| <b>Physical</b>                          | Unit Dimension: 205.3 x 205.3 x 45.9mm; Unit Weight: 590g<br>Unit + Mounting Kits Dimension : 205.3 x 205.3 x 50.9mm; Unit + Mounting Kits Weight : 710g<br>Entire Package Dimension: 258 x 247 x 86mm; Entire Package Weight: 930g   |
| <b>Package Content</b>                   | GWN7630 802.11ac Wave-2 Wireless AP, Mounting Kits, Quick Start Guide   |
| <b>Compliance</b>                        | FCC, CE, RCM, IC  |