



## Enterprise 802.11ac Wi-Fi Access Point

### GWN7610

The GWN7610 is a high-performance 802.11ac wireless access point for small to medium sized businesses, multiple floor offices, commercial locations and branch offices. It offers dual-band 3x3:3 MIMO technology and a sophisticated antenna design for maximum network throughput and expanded Wi-Fi coverage range. To ensure easy installation and management, the GWN7610 uses a controller-less distributed network management design in which the controller is embedded within the product's web user interface. This allows each access point to manage a network of up to 50 GWN7610s independently without needing separate controller hardware/software and without a single point-of-failure. This wireless access point can be paired with any third party routers as well as Grandstream GWN series routers. With support for advanced QoS, low-latency real-time applications, 250+ client devices per AP and dual Gigabit network ports with PoE/PoE+, the GWN7610 is an ideal wireless access point for large and small wireless network deployments.



#### Gigabit

1.75Gbps wireless throughput and 2x Gigabit wireline ports



Dual-band 3x3:3 MIMO technology



#### PoE

Self power adaptation upon auto detection of PoE or PoE+



Support more than 250+ 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; GWN Manager offers premise-based software controller

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| <b>Wi-Fi Standards</b>                   | IEEE 802.11 a/b/g/n/ac   |
| <b>Antennas</b>                          | 3x 2.4 GHz, gain 3 dBi, internal antenna<br>3x 5 GHz, gain 3 dBi, internal antenna   |
| <b>Wi-Fi Data Rates</b>                  | IEEE 802.11ac: 6.5 Mbps to 1300 Mbps<br>IEEE 802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps<br>IEEE 802.11n: 6.5 Mbps to 450 Mbps<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 : 2.400 - 2.4835 GHz<br>5GHz radio: 5.150 - 5.250 GHz, 5.725 - 5.850 GHz (FCC, IC, RCM)   |
| <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 (TKIP/AES), anti-hacking secure boot and critical data/control lockdown via digital signatures, unique security certificate and random default password per device  |
| <b>MIMO</b>                              | 3x3:3 2.4GHz, 3x3:3 5GHz   |
| <b>Coverage Range</b>                    | Up to 575 ft. (175 meters)<br><i>*coverage range can vary based on environment</i>   |
| <b>Maximum TX Power</b>                  | 5G: 26dBm (FCC) / 20dBm (CE)<br>2.4G: 26dBm (FCC) / 17dBm (CE)<br><i>*Maximum power varies by country, frequency band and MCS rate</i>   |
| <b>Receiver Sensitivity</b>              | <b>2.4G</b><br>802.11b:-92dBm@11Mbps; 802.11g:-76dBm@54Mbps; 802.11n 20MHz:<br>-73dBm@MCS7; 802.11n 40MHz:-70dBm@MCS7<br><b>5G</b><br>802.11a:-94dBm@6Mbps; 801.11a:-77dBm@54Mbps; 802.11 ac 20MHz:<br>-69dBm@MCS8; 802.11 ac HT40:-65dBm@MCS9; 802.11 ac 80MHz:-61 dBm@MCS9<br><i>* Receiver sensitivity varies by frequency band, channel width and MCS rate</i>   |
| <b>SSIDs</b>                             | 32 SSIDs total, 16 per radio (2.4ghz and 5 ghz)  |
| <b>Concurrent Clients</b>                | 250+   |
| <b>Network Interfaces</b>                | 2x autosensing 10/100/1000 Base-T Ethernet Ports   |
| <b>Auxiliary Ports</b>                   | 1x USB 2.0 port, 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, 802.1Q, 802.1p, 802.1x, 802.11e/WMM  |
| <b>QoS</b>                               | 802.11e/WMM, VLAN, TOS   |
| <b>Network Management</b>                | Embedded controller can manage up to 50 local GWN Aps<br>GWN.Cloud offers a free cloud management platform for unlimited GWN APs<br>GWN Manager offers premise-based software controller for up to 3,000 GWN APs   |
| <b>Auto Power Saving</b>                 | Self power adaptation upon auto detection of PoE or PoE+   |
| <b>Power and Green Energy Efficiency</b> | DC Input: 24VDC/1A<br>Power over Ethernet 802.3af/802.3at compliant<br>Maximum Power Consumption:13.8W   |
| <b>Environmental</b>                     | Operation: 0°C to 50°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: 540g<br>Unit + Mounting Kits Dimension : 205.3 x 205.3 x 50.9mm; Unit + Mounting Kits Weight : 600g<br>Entire Package Dimension: 258 x 247 x 86mm; Entire Package Weight: 900g  |
| <b>Package Content</b>                   | GWN7610 802.11ac Wireless AP, Mounting Kits, Quick Start Guide   |
| <b>Compliance</b>                        | FCC, CE, RCM, IC   |