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