



## 802.11ax 4x4:4 Wi-Fi 6 Access Point

### GWN7664

The GWN7664 is a powerful, enterprise-grade 802.11ax Wi-Fi 6 access point, ideal for small-to-medium sized businesses, multiple floor buildings, residential settings and commercial locations. It offers dual-band 4x4:4 MUMIMO with DL/UL OFDMA technology and a sophisticated internal antenna design for stronger anti-interference, more stable connection, maximum network throughput and expanded Wi-Fi coverage range. The GWN7664 is supported by GWN. Cloud and GWN Manager, Grandstream's cloud and on-premise Wi-Fi management platform that and makes managing your network or several networks across multiple locations easier than ever before. It also uses a controller-less network management architecture in which the controller is embedded within the product's web user interface for easy administration of locally deployed Wi-Fi Aps. The GWN7664 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, 512 concurrent clients and dual Gigabit network ports with PoE/PoE+, the GWN7664 is an ideal Wi-Fi access point for business-grade wireless network deployments with medium-to-high user density.



3.55Gbps aggregate wireless throughput, 3.5Gbps aggregate wired throughput



Dual-band 4x4:4 MU-MIMO with DL/UL OFDMA technology



Up to 175-meter coverage range



Support 512 concurrent Wi-Fi client devices



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



Self power adaptation upon auto detection of PoE or PoE+



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/ax  |
| <b>Antennas</b>                          | 8 individual internal antennas, 4 per band<br>2.4GHz, gain 3dBi<br>5 GHz, gain 4dBi  |
| <b>Wi-Fi Data Rates</b>                  | <b>5G:</b><br>IEEE 802.11ax: 8 Mbps to 2402 Mbps<br>IEEE 802.11ac: 6.5 Mbps to 1733 Mbps<br>IEEE 802.11n: 6.5Mbps to 600Mbps<br>IEEE 802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps<br><b>2.4G:</b><br>IEEE 802.11ax: 8 Mbps to 1147 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<br><i>*Not all frequency bands can be used in all regions</i>   |
| <b>Channel Bandwidth</b>                 | 2.4G: 20 and 40 MHz (x4)<br>5G: 20, 40 and 80 MHz (x4) or 160MHz (x2)  |
| <b>Wi-Fi and System Security</b>         | WEP, WPA/WPA2-PSK, WPA/WPA2 Enterprise (TKIP/AES); WPA3, 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 2.4GHz<br>4x4:4 5GHz   |
| <b>Coverage Range</b>                    | Up to 175 meters<br><i>*coverage range can vary based on environment</i>   |
| <b>Maximum TX Power</b>                  | 5G: 25dBm<br>2.4G: 26dBm<br><i>*Maximum power varies by country, frequency band and MCS rate</i>   |
| <b>Receiver Sensitivity</b>              | <b>2.4G</b><br>802.11b: -99dBm@1Mbps, -91dBm@11Mbps;<br>802.11g: -94dBm @6Mbps, -78dBm@54Mbps;<br>802.11n 20MHz: -75dBm @MCS7; 802.11n 40MHz:-71dBm @MCS7;<br>802.11ax 20MHz: -64dBm @ MCS11; 802.11ax 40MHz: -63dBm @MCS11<br><b>5G</b><br>802.11a: -95dBm @6Mbps, -77dBm @54Mbps;<br>802.11n 20MHz: -74dBm @MCS7; 802.11n 40MHz:-71dBm @MCS7<br>802.11ac 20MHz: -70dBm@MCS8; 802.11ac: HT40:- 66dBm @MCS9; 802.11ac 80MHz: -62dBm @MCS9;<br>802.11ax 20MHz: -64dBm @ MCS11; 802.11ax 40MHz: -62dBm @MCS11;802.11ax 80MHz: -59dBm @MCS11  |
| <b>SSIDs</b>                             | 32 SSIDs total, 16 per radio (2.4GHz & 5GHz)   |
| <b>Concurrent Clients</b>                | 512  |
| <b>Network Interfaces</b>                | 1x 1G Port and 1x 2.5G Port, support 3.5Gbps aggregate wire throughput   |
| <b>Auxiliary Ports</b>                   | 1x Reset Pinhole, 1x Kensington lock   |
| <b>Mounting</b>                          | Indoor wall mount or ceiling mount, kits included  |
| <b>LEDs</b>                              | 1 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>                | 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>Power and Green Energy Efficiency</b> | PoE 802.3af/ 802.3at;<br>Maximum Power Consumption: 17W  |
| <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: 205.3mm(L)x205.3mm(W)x405.9mm(H); Unit Weight: 0.714Kg<br>Entire Package Dimension: 258x247x86mm; Entire Package Weight: 1.06Kg  |
| <b>Package Content</b>                   | GWN7664 802.11ax Wireless AP, Mounting Kits, Quick Start Guide   |
| <b>Compliance</b>                        | FCC, CE, RCM, IC   |