



Outdoor Long-Range Wi-Fi Access Point

GWN7605LR

This outdoor Wi-Fi access point that offers extended coverage range support for both indoor and outdoor deployments thanks to its innovative antenna and weatherproof design. The GWN7605LR comes equipped with dual-band 2x2:2 MU-MIMO technology and a sophisticated antenna design for extended coverage range of up to 250 meters. It uses a controller-less distributed 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 GWN7605LR is also supported by GWN.Cloud and GWN Manager, Grandstream's cloud and on-premise Wi-Fi management platform. Powered by market-leading technology for advanced QoS, fast roaming, mesh networks, captive portals, support for 100+ concurrent clients and dual Gigabit network ports, the GWN7605LR is an ideal Wi-Fi access point for low-latency jitter-sensitive real-time applications (such as voice/video-over-Wi-Fi devices & applications) in low-to-medium user density scenarios.



Gigabit

1.27Gbps aggregate wireless throughput and 2xGigabit wireline ports



**2x2
MIMO**

Dual-band 2x2:2 MU-MIMO with beam-forming technology



PoE

Self power adaptation upon auto detection of PoE or PoE+



Supports 100+ concurrent Wi-Fi client devices



**250
meters**

Up to 250-meter coverage range



QoS

Advanced QoS to ensure real-time performance of low-latency applications



Anti-hacking secure boot and critical data/control lockdown



Flexibility of 2 detachable/changeable antennas for different application scenarios



Embedded controller manages up to 50 local GWN APs; GWN.Cloud offers unlimited AP management, & GWN Manager offers on-premise software AP management

| | |
|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Wi-Fi Standards | IEEE 802.11a/b/g/n/ac (Wave-2) |
| Antennas | 2 dual band external antennas 2.4GHz, gain 3.5dBi 5 GHz, gain 3.5dBi |
| Wi-Fi Data Rates | IEEE 802.11ac: 6.5 Mbps to 867 Mbps IEEE 802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps IEEE 802.11n: 6.5Mbps to 300Mbps IEEE 802.11b: 1, 2, 5.5, 11Mbps 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 MHz 5 GHz Radio: 5180-5825 MHz <i>*Not all frequency bands can be used in all regions.</i> |
| Channel Bandwidth | 2.4G: 20 and 40MHz 5G: 20, 40 and 80 MHz |
| 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 | 2x2:2 2.4GHz (MIMO) 2x2:2 5GHz (MU-MIMO)) |
| Coverage Range | Up to 250 meters <i>*Coverage range can vary based on environment</i> |
| Maximum TX Power | 2.4G: 24 dBm 5G: 22dBm <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 | 8 SSID per radio |
| Concurrent Clients | 100+ |
| Network Interfaces | 2x autosensing 10/100/1000 Base-T Ethernet Ports |
| Auxiliary Ports | 1x Reset Pinhole |
| Mounting | Outdoor metal bar mount or wall mount, kits included |
| LEDs | 1x 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 | Embedded controller can manage up to 50 local GWN APs GWN.Cloud offers a free cloud management platform for unlimited GWN APs GWN Manager (BETA) offers premise-based software controller for up to 3,000 GWN APs |
| Power and Green Energy Efficiency | PoE 802.3af/ 802.3at; Maximum Power Consumption: 10.16W |
| Environmental | Operation: -30°C to 70°C Storage: -30°C to 80°C Humidity: 5% to 95% Non-condensing |
| Physical | Unit Dimension: 358.3mm(L)*115mm(W)*45.3mm(H); Unit Weight: 500g Entire Package Dimension: 258 × 247× 86mm; Entire Package Weight:655.3g |
| Package Content | GWN7605LR 802.11ac Wave-2 Wireless AP, Mounting Kits, Quick Start Guide |
| Weatherproof Grade | IP66-level weatherproof capability when installed vertically |
| Compliance | FCC, CE, RCM, IC |