

Grandstream GWN7605LR Outdoor Long-Range WiFi Access Point



Product Name: Grandstream GWN7605LR Outdoor Long-Range WiFi Access Point

Manufacturer: Grandstream

Model Number: GWN7605LR

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The Grandstream GWN7605LR is an outdoor WiFi 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 WiFi APs.

Grandstream GWN7605LR Key Features

- 1.27Gbps aggregate wireless throughput and 2xGigabit wireline ports
- Dual-band 2x2:2 MU-MIMO with beam-forming technology
- Self power adaptation upon auto detection of PoE or PoE+
- Supports 100+ concurrent WiFi client devices
- Up to 250-meter coverage range
- 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

The GWN7605LR is also supported by GWN. Cloud and GWN Manager, Grandstream's cloud and on-premise WiFi management platform. Powered by marketleading 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 WiFi 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.

Grandstream GWN7605LR Technical Specification

WiFi 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

WiFi 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
- *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

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Frequency Bands

- 2.4GHz Radio: 2412 – 2484 MHz
- 5 GHz Radio: 5180-5825 MHz
- *Not all frequency bands can be used in all regions

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 2.4GHz (MIMO)
- 2x2 5GHz (MU-MIMO)

Coverage Range

- Up to 250 meters
- *coverage range can vary based on the environment

Maximum TX Power

- 2.4G: 24 dBm
- 5G: 22dBm
- *Maximum power varies by country, frequency band and MCS rate

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

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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

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Compliance

CE, FCC, RCM, IC

Please Enquire
