

Grandstream GWN7630LR Outdoor Long-Range WiFi Access Point



Product Name: Grandstream GWN7630LR Outdoor Long-Range WiFi Access Point

Manufacturer: Grandstream

Model Number: GWN7630LR

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The Grandstream GWN7630LR is an outdoor long-range 802.11ac Wave-2 WiFi access point for medium to large businesses and enterprises who need to provide long-range coverage in both indoor and outdoor spaces. It offers weatherproof casing and heat resistant technology, dual-band 4×4 MU-MIMO technology, and a sophisticated antenna design for maximum network throughput that supports 200+ clients and an expanded 300-meter coverage range.

Grandstream GWN7630LR Key Features

- 2.33Gbps wireless throughput and 2x Gigabit wireline ports
- Dual-band 4x4:4 MIMO technology
- Self power adaptation upon auto detection of PoE/PoE+
- Support 200+ concurrent Wi-Fi client devices
- Up to 300-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 detachable/ changeable antenna for different application scenarios
- Embedded controller can manage up to 50 local GWN series APs; GWN. Cloud offers unlimited AP management

To ensure easy installation and management, the GWN7630LR includes a built-in controller embedded within the product's web user interface. It is also supported by GWN.Cloud, Grandstream's free cloud WiFi management platform. The GWN7630LR is the ideal WiFi AP for voice-over-WiFi deployments and offers a seamless connection with Grandstream's WiFi-capable voice and video IP phones. By including support for advanced QoS, low-latency real-time applications, mesh networks and captive portals, the GWN7630LR is an ideal outdoor WiFi access point for enterprises, multiple floor offices, warehouses, hospitals, schools and more.

Grandstream GWN7630LR Technical Specification

WiFi Standards

- IEEE 802.11a/b/g/n/ac (Wave-2)

Antennas

- 4 detachable/changeable dual-band omnidirectional antennas
- 2.4GHz, gain 3.5dBi
- 5GHz, gain 3.5dBi

WiFi Data Rates

- IEEE 802.11ac: 6.5 Mbps to 1733Mbps
- IEEE 802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps
- IEEE 802.11n: 6.5Mbps to 600Mbps
- 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

• 2.4 GHz Radio: 2412 – 2484 MHz
• 5GHz Radio: 5150-5250MHz, 5250-5350MHz, 5470-5725MHz, 5725-5850MHz

*Not all frequency bands can be used in all regions.

Channel Bandwidth

• 2.4G: 20 and 40MHz
• 5G: 20, 40 and 80MHz

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

• 4x4:4 2.4G (MIMO)
• 4x4:4 5G (MU-MIMO)

Coverage Range

• Up to 300 meters

*Coverage range can vary based on environment

Maximum TX Power

• 2.4G: 27 dBm
• 5G: 25 dBm

*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

• 16 SSID per radio

Concurrent clients

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• 200+

Network Interfaces

• 2x autosensing 10/100/1000 Base-T Ethernet Ports

Auxiliary Ports

• 1x Reset Pinhole

Mounting

• Wall mount or pole mount - kits included

LEDs

• 1x tri-colour 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 (coming soon) offers premise-based software controller for up to 3,000 GWN APs

Power and Green Energy Efficiency

• PoE 802.3af/ 802.3at

• Max Consumption: 16.5W

Environmental

• Operation: -30°C to 60°C

• Storage: -30°C to 70°C

• Humidity: 5% to 95% Non-condensing

Physical

• Unit Dimension: 533.1 x 115 x 40mm

• Unit Weight: 564g

• Unit + Mounting Kits Dimension: 533.1 x 115 x 62mm

• Unit + Mounting Kits Weight: 706g

• Entire Package Dimension: 258 x 247 x 86mm

• Entire Package Weight: 978g

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Package Content

- 1x GWN7630LR 802.11ac Wireless AP
- 1x Mounting Kits
- 1x Quick Start Guide

Weatherproof Grade

1x IP66-level weatherproof capability when installed vertically

Compliance

1x FCC, CE, RCM, IC

Price: £93.75