

## Grandstream GWN7630LR Outdoor Long-Range WiFi Access Point



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

Manufacturer: Grandstream

Model Number: GWN7630LR

### Grandstream GWN7630LR Outdoor Long-Range WiFi Access Point

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 4x4 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 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

## Grandstream GWN7630LR Outdoor Long-Range WiFi Access Point

### 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

## Grandstream GWN7630LR Outdoor Long-Range WiFi Access Point

• 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: 533.1x115 x62mm

• Unit + Mounting Kits Weight: 706g

• Entire Package Dimension: 258 x 247 x 86mm

• Entire Package Weight: 978g

## Grandstream GWN7630LR Outdoor Long-Range WiFi Access Point

### Package Content

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

### Weatherproof Grade

- IP66-level weatherproof capability when installed vertically

### Compliance

- FCC, CE, RCM, IC

**Price: £90.20**

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