High-Performance Outdoor Long-Range Wi-Fi Access Point

**GWN7630LR**

The GWN7630LR is an outdoor long-range 802.11ac Wave-2 Wi-Fi 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 4x4:4 MU-MIMO technology, and a sophisticated antenna design for maximum network throughput that supports 200+ clients and an expanded 300-meter coverage range. 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 Wi-Fi management platform. The GWN7630LR is the ideal Wi-Fi AP for voice-over-Wi-Fi deployments and offers a seamless connection with Grandstream's Wi-Fi-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 Wi-Fi access point for enterprises, multiple floor offices, warehouses, hospitals, schools and more.

- **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**
- **Antire-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**

www.grandstream.com
### Wi-Fi 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

### Wi-Fi 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*

### 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 @MC5; 802.11n 40MHz: -70dBm @MC5

- **5G**
  - 802.11a: -92dBm@6Mbps, -74dBm@54Mbps; 802.11ac 20MHz: -67dBm@MC5; 802.11ac: HT40:
  - -63dBm @MC5; 802.11.ac 80MHz: -59dBm @MC5

### SSIDs
- 32 SSIDs total, 16 per radio (2.4 Ghz and 5 Ghz)

### Concurrent Clients
- 200+

### Network Interfaces
- 2× autosensing 10/100/1000 Base-T Ethernet Ports

### Auxiliary Ports
- 1× Reset Pinhole

### Mounting
- Wall mount or pole mount - kits included

### LEDs
- 1× 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 (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 × 115 × 40mm; Unit Weight: 564g
- Unit + Mounting Kits Dimension: 533.1×115×62mm; Unit + Mounting Kits Weight: 706g
- Entire Package Dimension: 258 × 247× 86mm; Entire Package Weight: 978g

### Package Content
- GWN7630LR 802.11ac Wireless AP, Mounting Kits, Quick Start Guide

### Weatherproof Grade
- IP66-level weatherproof capability when installed vertically

### Compliance
- FCC, CE, RCM, IC