

Grandstream GWN7660LR Wi-Fi 6 Long Range Access Point



Product Name: Grandstream GWN7660LR Wi-Fi 6 Long Range Access Point

Manufacturer: Grandstream

Model Number: GWN7660LR

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The Grandstream GWN7660LR is a long-range 802.11ax Wi-Fi 6 access point designed to provide next generation network coverage for indoor and outdoor environments. It offers IP66 weatherproof certified casing, dual-band 2x2:2 MU-MIMO technology and a sophisticated antenna design for extended coverage range of up to 250 meters.

The GWN7660LR is supported by GWN.Cloud and GWN Manager, Grandstream's cloud and on-premise Wi-Fi management platform that makes managing your network or several networks across multiple locations easier than ever before. It also uses a controllerless 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 GWN7660LR is the ideal Wi-Fi AP for voice-over-Wi-Fi deployment and offers a seamless connection with Grandstream's Wi-Fi capable voice and video IP phones. With support for advanced QoS, low-latency real-time applications, mesh networks, captive portals and dual Gigabit networks ports with PoE/PoE+; the GWN7660LR is an ideal outdoor Wi-Fi access point for enterprises, multiple floor offices, warehouses, parks, hospitals, schools and more.

Grandstream GWN7660LR Key Features

- 1.77Gbps aggregate wireless throughput and 2x Gigabit Ethernet ports
- Dual-band 2x2:2 MU-MIMO with DL/UL OFDMA technology
- Self power adaptation upon auto detection of PoE or PoE+
- Support 256+ concurrent Wi-Fi 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

Grandstream GWN7660 Technical Specification

WiFi Standards

- IEEE 802.11 a/b/g/n/ac/ax

Antennas

- 2 dual band internal antennas
- 2.4GHz, gain 3dBi / 5 GHz, gain 4dBi

WiFi Data Rates

- 5G:- IEEE 802.11ax: 7.3 Mbps to 1201 Mbps;- IEEE 802.11ac: 6.5 Mbps to 867 Mbps;- IEEE 802.11n: 6.5Mbps to 300Mbps;- IEEE 802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps
- 2.4G:- IEEE 802.11ax: 7.3 Mbps to 573.5 Mbps;- IEEE 802.11n: 6.5Mbps to 300Mbps;- IEEE 802.11b: 1, 2, 5.5, 11 Mbps;- 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

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the network

Frequency Bands

ï¿½ 2.4GHz radio: 2400-2483.5MHz

ï¿½ 5GHz radio: 5150-5850MHz

Channel Bandwidth

ï¿½ 2.4G: 20 and 40 MHz

ï¿½ 5G: 20, 40 and 80 MHz

WiFi and System Security

ï¿½ WEP, WPA/WPA2-PSK, WPA/WPA2 Enterprise (TKIP/AES); WPA3, anti-hacking secure boot and critical data/control lockdown via digital signatures, unique security certificate and random default password per device

MIMO

ï¿½ 2x2:2 2.4GHz

ï¿½ 2x2:2 5GHz

Coverage Range

ï¿½ Up to 250 meters

ï¿½ *coverage range can vary based on the environment

Maximum TX Power

ï¿½ 5G: 26dBm

ï¿½ 2.4G: 30dBm

ï¿½ *Maximum power varies by country, frequency band and MCS rate

Receiver Sensitivity

ï¿½ 2.4G:- 802.11b: -99dBm@1Mbps, -90dBm@11Mbps; - 802.11g: -93dBm @6Mbps, -77dBm@54Mbps; - 802.11n 20MHz: -74dBm @MCS7; 802.11n 40MHz:-72dBm @MCS7; - 802.11ax 20MHz: -64dBm @ MCS11; 802.11ax 40MHz: -62dBm @MCS11

ï¿½ 5G:- 802.11a: -95dBm @6Mbps, -77dBm @54Mbps; - 802.11ac 20MHz: -71dBm@MCS8; 802.11ac: HT40:- 67dBm @MCS9; 802.11ac 80MHz: -64dBm @ MCS9; - 802.11ax 20MHz: -63dBm @ MCS11; 802.11ax 40MHz: -62dBm @MCS11;802.11ax 80MHz: -58dBm @MCS11

SSIDs

ï¿½ 32 SSIDs total, 16 per radio (2.4ghz and 5 ghz)

Concurrent clients

ï¿½ 256+

Network Interfaces

ï¿½ 2x autosensing 10/100/1000 Base-T Ethernet Ports

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Auxiliary Ports

• 1x Reset Pinhole

Mounting

• Outdoor wall mount or pole 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 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: 12.9W

Environmental

• Operation: -30°C to 60°C

• Storage: -30°C to 70°C

• Humidity: 5% to 95% Non-condensing

Physical

• Unit Dimension: 358.3mmx115mmx45.3mm; Unit Weight: 695g

• Entire Package Dimension: 275x185.5x89mm; Entire Package Weight: 995g

Package Content

• GWN7660LR 802.11ax Wireless AP, Mounting Kits, Quick Start Guide

Compliance

• FCC, CE, RCM, IC

Price: £94.60