

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

Please Note: This product is not available at the moment. For an alternative, please see the other Grandstream GWN7630LR Outdoor Long-Range WiFi Access Point.

Grandstream GWN7660LR Wi-Fi 6 Long Range Access Point

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.

• 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

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

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

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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

2.4GHz radio: 2400-2483.5MHz
5GHz radio: 5150-5850MHz

Channel Bandwidth

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

WiFi and System Security

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

2x2:2 2.4GHz
2x2:2 5GHz

Coverage Range

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

Maximum TX Power

5G: 26dBm
2.4G: 30dBm

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

Receiver Sensitivity

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
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

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

Concurrent clients

256+

Network Interfaces

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

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: £91.50

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