

Grandstream GWN7664LR Outdoor Long Range WiFi 6 Access Point



Product Name: Grandstream GWN7664LR Outdoor Long Range WiFi 6 Access Point

Manufacturer: Grandstream

Model Number: GWN7664LR

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The Grandstream GWN7664LR is an outdoor 802.11ax 4x4:4 Wi-Fi 6 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 with DL/UL OFDMA technology and a sophisticated antenna design for maximum network throughput that supports 750 clients and an expanded 300-meter coverage range. To ensure easy installation and management, the GWN7664LR includes a built-in controller embedded within the product's web user interface.

Grandstream GWN7664LR Key Features:

- 3.5Gbps aggregate wireless throughput, 2.5Gbps aggregate wired throughput
- Dual-band 4x4:4 MU-MIMO with DL/UL OFDMA technology
- Self power adaptation upon auto detection of PoE or PoE+
- Support 750+ 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 4 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

It is also supported by GWN.Cloud and GWN Manager, Grandstream's free cloud and on-premise Wi-Fi management platform. The GWN7664LR 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 GWN7664LR is an ideal outdoor Wi-Fi access point for enterprises, multiple floor offices, warehouses, hospitals, schools and more.

GWN7664LR Technical Specifications

Wi-Fi Standards

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

Antennas

- 4 dual band external antennas
- 2.4GHz, gain 3.5dBi
- 5 GHz, gain 3.5dBi
- Wi-Fi Data Rates

5G

- IEEE 802.11ax: 8 Mbps to 2402 Mbps IEEE
- 802.11ac: 6.5 Mbps to 1733 Mbps IEEE
- 802.11n: 6.5Mbps to 600Mbps
- IEEE 802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps

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2.4G

- IEEE 802.11ax: 8 Mbps to 2402 Mbps IEEE
- IEEE 802.11ac: 6.5 Mbps to 1733 Mbps IEEE
- IEEE 802.11n: 6.5Mbps to 600Mbps
- IEEE 802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps

Frequency Bands

- 2.4GHz radio: 2412 - 2484 MHz
- 5GHz radio: 5180 - 5825 MHz
- *Not all frequency bands can be used in all regions

Channel Bandwidth

- 2.4G: 20 and 40 MHz (x4) 5G: 20, 40 and 80 MHz (x4)
- 5G: 20, 40 and 80 MHz (x4)

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 MU-MIMO 4x4 2.4GHz, 4x4 5GHz
- Coverage Range Up to 300 meters*Coverage range can vary based on environment Maximum TX Power

2.4

- 802.11b: -99dBm @1Mbps, -91dBm @11Mbps;
- 802.11g: -94dBm @6Mbps, -78dBm @54Mbps;
- 802.11n 20MHz: -75dBm @MCS7; 802.11n 40MHz: -71dBm @MCS7;
- 802.11ax 20MHz: -64dBm @ MCS11; 802.11ax 40MHz: -63dBm @MCS11

5G

- 802.11a: -95dBm @6Mbps, -77dBm @54Mbps;
- 802.11n: 20MHz: -74dBm @MCS7; 802.11 n 40MHz: -71dBm @MCS7
- 802.11ac 20MHz: -70dBm @MCS8; 802.11ac: HT40: -66dBm @MCS9; 802.11ac 80MHz: -62dBm @MCS9;
- 802.11ax 20MHz: -64dBm @ MCS11; 802.11ax 40MHz: -62dBm @MCS11; 802.11ax 80MHz: -59dBm @MCS11

SSIDs

32 SSIDs total, 16 per radio (2.4GHz & 5GHz) Concurrent Clients 750+
Network Interfaces

- 1x 1G Port and 1x 2.5G Port, support 2.5Gbps aggregate wired throughput

Auxiliary Ports

- 1x Reset Pinhole Mounting
- Wall mount or pole mount, kits included

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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 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: 18W

Environmental

• Operation: -30°C to 60°C

• Storage: -30°C to 60°C

• Humidity: 10% to 90% Non-condensing

Physical

• Unit Dimension: 562.3mm(L)x140mm(W)x44.9mm(H);

• Unit + Mounting Kits Dimension: 562.3mm(L)x140mm(W)x66.9mm(H)

Entire Package;

• Dimension: 260mm(L)x218.5mm(W)x108mm(H);

Package Content

• GWN7664LR 802.11ax Wireless AP, Mounting Kits, Quick Installation Guide

Weatherproof

• Grade IP66-level weatherproof capability when installed vertically

Compliance

• FCC, CE, RCM, IC, UKCA

Price: £140.30