

Grandstream GWN7664 802.11ax 4x4:4 WiFi 6 Access Point



Product Name: Grandstream GWN7664 802.11ax 4x4:4 WiFi 6 Access Point

Manufacturer: Grandstream

Model Number: GWN7664

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The GWN7664 is a powerful, enterprise-grade 802.11ax Wi-Fi 6 access point, ideal for small-to-medium sized businesses, multiple floor buildings, residential settings and commercial locations. It offers dual-band 4x4:4 MUMIMO with DL/UL OFDMA technology and a sophisticated internal antenna design for stronger anti-interference, more stable connection, maximum network throughput and expanded Wi-Fi cover age range.

The GWN7664 is supported by GWN.Cloud and GWN Manager, Grandstream's cloud and on-premise Wi-Fi management platform that and makes managing your network or several networks across multiple locations easier than ever before. It also uses a controller-less 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 GWN7664 is the ideal Wi-Fi AP for voice-over-Wi-Fi deployments and offers a seamless connection with Grandstream's Wi-Fi capable IP phones. With support for advanced QoS, low latency real-time applications, mesh networks, captive portals, 512 concurrent clients and dual Gigabit network ports with PoE/PoE+, the GWN7664 is an ideal Wi-Fi access point for business-grade wireless network deployments with medium-to-high user density.

Grandstream GWN7664 Key Features

- 3.55Gbps aggregate wireless throughput, 3.5Gbps aggregate wired throughput
- Dual-band 4x4:4 MU-MIMO with DL/UL OFDMA technology
- Up to 175-meter coverage range
- Supports 512 concurrent Wi-Fi client devices
- Includes 1x 1G Port and 1x 2.5G Port
- Advanced QoS to ensure real-time performance of low-latency applications
- Anti-hacking secure boot and critical data/control lockdown via digital signatures, unique security certificate/random default password per device
- Self power adaptation upon auto detection of PoE or PoE+
- Embedded controller manages up to 50 local GWN APs; GWN.Cloud offers unlimited AP management, & GWN Manager offers on-premise software AP management

Grandstream GWN7664 Technical Specification

WiFi Standards

- IEEE 802.11a/b/g/n/ac (Wave-2)

Antennas

- 8 individual internal antennas, 4 per band
- 2.4GHz, gain 3dBi
- 5 GHz, gain 4dBi

WiFi Data Rates

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• 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
• 2.4G:
• IEEE 802.11ax: 8 Mbps to 1147 Mbps
• IEEE 802.11n: 6.5Mbps to 600Mbps
• IEEE 802.11b: 1, 2, 5.5, 11 Mbps
• IEEE 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps

Frequency Bands

• 2.4GHz Radio: 2412 - 2484 MHz
• 5GHz Radio: 5180 - 5825 MHz

Channel Bandwidth

• 2.4G: 20 and 40 MHz (x4)
• 5G: 20, 40 and 80 MHz (x4) or 160MHz (x2)

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

• 4x4 2.4GHz
• 4x4 5GHz

Coverage Range

• Up to 175 meters
• *coverage range can vary based on the environment

Maximum TX Power

• 5G: 25dBm
• 2.4G: 26dBm
• *Maximum power varies by country, frequency band and MCS rate

Receiver Sensitivity

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ï¿½ 2.4G

ï¿½ 802.11b: -99dBm@1Mbps, -91dBm@11Mbps;

ï¿½ 802.11g: -94dBm @6Mbps, -78dBm@54Mbps;

ï¿½ 802.11n 20MHz: -75dBm @MCS7; 802.11n 40MHz:-71dBm @MCS7;

ï¿½ 802.11ax 20MHz: -64dBm @ MCS11; 802.11ax 40MHz: -63dBm @MCS11

ï¿½ 5G

ï¿½ 802.11a: -95dBm @6Mbps, -77dBm @54Mbps;

ï¿½ 802.11n 20MHz: -74dBm @MCS7; 802.11n 40MHz:-71dBm @MCS7

ï¿½ 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

ï¿½ 32 SSIDs total, 16 per radio (2.4GHz & 5GHz)

Concurrent clients

ï¿½ 512

Network Interfaces

ï¿½ 1x 1G Port and 1x 2.5G Port, support 3.5Gbps aggregate wire throughput

Auxiliary Ports

ï¿½ 1x Reset Pinhole, 1x Kensington lock

Mounting

ï¿½ Indoor wall or ceiling mount, kits included

LEDs

ï¿½ 1 tri-color LEDs for device tracking and status indication

Network Protocols

ï¿½ IPv4, IPv6, 802.1Q, 802.1p, 802.1x, 802.11e/WMM

QoS

ï¿½ 802.11e/WMM, VLAN, TOS

Network Management

ï¿½ Embedded controller can manage up to 50 local GWN APs

ï¿½ 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

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• PoE 802.3af/ 802.3at;
• Maximum Power Consumption:17W

Environmental

• Operation: 0°C to 50°C
• Storage: -10°C to 60°C
• Humidity: 10% to 90% Non-condensing

Physical

• Unit Dimension: 205.3mm(L)x205.3mm(W)x405.9mm(H);
• Unit Weight: 0.714Kg
• Entire Package Dimension: 258x247x86mm;
• Entire Package Weight: 1.06Kg

Package Content

• GWN7664 802.11ax Wireless AP, Mounting Kits, Quick Start Guide

Compliance

• FCC, CE, RCM, IC

Price: £148.00