

Grandstream GWN7660 Wi-Fi 6 Access Point



Product Name: Grandstream GWN7660 Wi-Fi 6 Access Point

Manufacturer: Grandstream

Model Number: GWN7660

Grandstream GWN7660 Wi-Fi 6 Access Point

The Grandstream GWN7660 is an enterprise-grade 802.11ax Wi-Fi 6 access point that allows businesses to build next-generation Wi-Fi networks for high-density environments. It offers dual-band 2x2:2 MU-MIMO with DL/UL OFDMA technology and a sophisticated antenna design for maximum network throughput and expanded Wi-Fi coverage range. To ensure easy installation and management, the GWN7660 uses a controller-less distributed network management design in which the controller is embedded within the product's Web user interface.

Grandstream GWN7660 Key Features

- 1.77Gbps aggregate wireless throughput and 2x Gigabit Ethernet ports
- Dual-band 2x2:2 MUMIMO with DL/UL OFDMA technology
- Up to 175-meter coverage range
- Supports 256 concurrent Wi-Fi client devices
- 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 can manage up to 50 local GWN series APs; GWN.Cloud offers unlimited AP management; GWN Manager offers premise based software controller

The GWN7660 is also supported by GWN.Cloud and GWN Manager, Grandstream's cloud and on-premise Wi-Fi management platform. It is the ideal Wi-Fi AP for voiceover-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, 256 concurrent clients per AP and dual Gigabit network ports with PoE/PoE+, GWN7660 is an ideal Wi-Fi access point for medium wireless network deployments with medium-to-high user density.

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 the network

Frequency Bands

Grandstream GWN7660 Wi-Fi 6 Access Point

1/2 2.4GHz radio: 2400-2483.5MHz

1/2 5GHz radio: 5150-5850MHz

Channel Bandwidth

1/2 2.4G: 20 and 40 MHz

1/2 5G: 20,40 and 80 MHz

WiFi and System Security

1/2 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

1/2 2x2:2 2.4GHz

1/2 2x2:2 5GHz

Coverage Range

1/2 Up to 175 meters

1/2 *coverage range can vary based on the environment

Maximum TX Power

1/2 5G: 22dBm

1/2 2.4G: 24dBm

1/2 *Maximum power varies by country, frequency band and MCS rate

Receiver Sensitivity

1/2 2.4G:- 802.11b: -96dBm@1Mbps, -88dBm@11Mbps;- 802.11g: -93dBm @6Mbps, -75dBm@54Mbps; 802.11n 20MHz: -73dBm @MCS7; 802.11n 40MHz: -70dBm @MCS7;- 802.11ax 20MHz: -60dBm @MCS11; 802.11ax 40MHz: -58dBm @MCS11;
1/2 5G:- 802.11a: -92dBm @6Mbps, -74dBm @54Mbps;- 802.11n 20MHz: -73dBm @MCS7; 802.11n 40MHz: -70dBm @MCS7;- 802.11ac 20MHz: -67dBm@MCS8; 802.11ac: 40MHz: -63dBm @MCS9; 802.11ac 80MHz: -59dBm @MCS9 ; - 802.11ax 20MHz: -60dBm @MCS11; 802.11ax 40MHz: -58dBm @MCS11;802.11ax 80MHz: -56dBm @ MCS11

SSIDs

1/2 32 SSIDs total, 16 per radio (2.4ghz and 5 ghz)

Concurrent clients

1/2 256

Network Interfaces

1/2 2x autosensing 10/100/1000 Base-T Ethernet Ports

Auxiliary Ports

1/2 1x Reset Pinhole, 1x Kensington lock

Grandstream GWN7660 Wi-Fi 6 Access Point

Mounting

• Indoor wall mount or ceiling mount, kits included

LEDs

• 3 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: 9W

Environmental

• Operation: 0°C to 45°C

• Storage: -10°C to 60°C

• Humidity: 10% to 90% Non-condensing

Physical

• Unit Dimension: 180.4mmx180.4mmx40.8mm; Unit Weight: 443g

• Entire Package Dimension: 228.5x220x79mm; Entire Package Weight: 774g

Package Content

• GWN7660 802.11ax Wireless AP, Mounting Kits, Quick Start Guide

Compliance

• FCC, CE, RCM, IC

Price: £78.75