Grandstream GWN7660 Wi-Fi 6 Access Point

Product Name: Grandstream GWN7660 Wi-Fi 6 Access Point
Manufacturer: Grandstream
Model Number: GWN7660

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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

ï¿½ 1.77Gbps aggregate wireless throughput and 2x Gigabit Ethernet ports
ï¿½ Dual-band 2x2:2 MUMIMO with DL/UL OFDMA technology
ï¿½ Up to 175-meter coverage range
ï¿½ Supports 256 concurrent Wi-Fi client devices
ï¿½ Advanced QoS to ensure real-time performance of low-latency applications
ï¿½ Anti-hacking secure boot and critical data/control lockdown via digital signatures, unique security certificate/random default password per device
ï¿½ Self-power adaptation upon auto detection of PoE or PoE+
ï¿½ 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

ï¿½ IEEE 802.11 a/b/g/n/ac/ax

Antennas

ï¿½ 2 dual band internal antennas
ï¿½ 2.4GHz, gain 3dBi / 5 GHz, gain 4dBi

WiFi Data Rates

ï¿½ 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
ï¿½ 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
ï¿½ *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

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

Maximum TX Power

ï¿½ 5G: 22dBm
ï¿½ 2.4G: 24dBm
ï¿½ *Maximum power varies by country, frequency band and MCS rate

Receiver Sensitivity

ï¿½ 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;
ï¿½ 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

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

Auxiliary Ports

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

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Mounting

ï¿½ Indoor wall mount or ceiling mount, kits included

LEDs

ï¿½ 3 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
ï¿½ GWN Manager offers premise-based software controller for up to 3,000 GWN APs

Power and Green Energy Efficiency

ï¿½ PoE 802.3af/ 802.3at;
ï¿½ Maximum Power Consumption: 9W

Environmental

ï¿½ Operation: 0°C to 45°C
ï¿½ Storage: -10°C to 60°C
ï¿½ Humidity: 10% to 90% Non-condensing

Physical

ï¿½ Unit Dimension: 180.4mmx180.4mmx40.8mm; Unit Weight: 443g
ï¿½ Entire Package Dimension: 228.5x220x79mm; Entire Package Weight: 774g

Package Content

ï¿½ GWN7660 802.11ax Wireless AP, Mounting Kits, Quick Start Guide

Compliance

ï¿½ FCC, CE, RCM, IC

Price: Â£77.20