GRANDSTREAM
CONNECTING THE WORLD



Wi Fi 6 CERTIFIED

802.11ax 2x2:2 Wi-Fi 6 Access Point

GWN7660

The 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. 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 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, 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.

Gigabit

1.77Gbps aggregate wireless throughput and 2x Gigabit Ethernet ports

2x2 MIMO

Dual-band 2x2:2 MU-MIMO with DL/UL OFDMA technology

175 meters

Up to 175-meter coverage range

Supports 256 concurrent Wi-Fi client devices

QoS

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

PoE

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 premisebased software controller

Wi-Fi Standards	IEEE 802.11 a/b/g/n/ac/ax
Antennas	2 dual band internal antennas 2.4GHz, gain 3dBi / 5 GHz, gain 4dBi
Wi-Fi 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	2.4GHz radio: 2400-2483.5MHz 5GHz radio: 5150-5850MHz
Channel Bandwidth	2.4G: 20 and 40 MHz 5G: 20,40 and 80 MHz
Wi-Fi 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 175 meters **coverage range can vary based on environment*
Maximum TX Power	5G: 22dBm 2.4G: 24dBm **Maximum power varies by country, frequency band and MCS rate*
Receiver Sensitivity	**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; **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	32 SSIDs total, 16 per radio (2.4ghz and 5 ghz)
Concurrent Clients	256
Network Interfaces	2x autosensing 10/100/1000 Base-T Ethernet Ports
Auxiliary Ports	1x Reset Pinhole, 1x Kensington lock
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