



GRANDSTREAM  
GWN7660E Wi-Fi 6  
Access Point



# GRANDSTREAM GWN7660E Wi-Fi 6 Access Point Instructions

[Home](#) » [GRANDSTREAM](#) » GRANDSTREAM GWN7660E Wi-Fi 6 Access Point Instructions 

## Contents

- [1 GRANDSTREAM GWN7660E Wi-Fi 6 Access Point](#)
- [2 Documents / Resources](#)
  - [2.1 References](#)



**GRANDSTREAM GWN7660E Wi-Fi 6 Access Point**



The GWN7660E is an enterprise-grade Wi-Fi 6 access point that allows businesses to build next-generation Wi-Fi networks for high-density environments. It offers 2x2:2 MU-MIMO technology on the 2.4G band and 3x3:2 MU-MIMO on the 5G band as well as a sophisticated antenna design and uses XTRA Range technology with beamforming and OFDMA technology for maximum network throughput and expanded Wi-Fi coverage range. To ensure easy installation and management, the GWN7660E uses a controller-less distributed network management design in which the controller is embedded within the product's Web user interface. The GWN7660E 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 Gigabit network ports with PoE/PoE+, GWN7660E is an ideal Wi-Fi access point for medium wireless network deployments with medium-to-high user density.



Wi-Fi Standards	IEEE 802.11 a/b/g/n/ac/ax
Antennas	5 individual internal antennas 2.4GHz x 2, gain 4.0dBi 5 GHz x 3, gain 5.0dBi
Wi-Fi Data Rates	<p>5G:</p> <p>IEEE 802.11ax: 7.3 Mbps to 2402 Mbps; IEEE 802.11ac: 6.5 Mbps to 867 Mbps ; IEEE 802.11n: 6.5Mbps to 300Mbps;</p> <p>IEEE 802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps</p> <p>2.4G:</p> <p>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;</p> <p>IEEE 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps</p> <p><i>*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</i></p>
Frequency Bands	<p>2.4GHz radio: 2400-2483.5MHz</p> <p>5GHz radio: 5150-5850MHz</p>
Channel Bandwidth	<p>2.4G: 20 and 40 MHz</p> <p>5G: 20,40,80 and 160MHz</p>
Wi-Fi and System Security	<p>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</p> <p>default password per device</p>
MIMO	<p>2x2:2 2.4GHz</p> <p>3x3:2 5GHz</p>
Coverage Range	<p>Up to 175 meters</p> <p><i>*coverage range can vary based on environment</i></p>
Maximum TX Power	<p>2.4G: 20dBm (100 Milliwatts) 5G: 23dBm (200 Milliwatts)</p> <p><i>*Maximum power varies by country, frequency band and MCS rate</i></p>

Receiver Sensitivity	<p>2.4G</p> <p>802.11b: -96dBm@1Mbps, -88dBm@11Mbps; 802.11g: -93dBm @6Mbps, -75dBm@54Mbps; 802.11n 20MHz: -73dBm @MCS7; 802.11n 40MHz: -70dBm @MCS7;</p> <p>802.11ax 20MHz: -60dBm @MCS11; 802.11ax 40MHz: -58dBm @MCS11;</p> <p>5G</p> <p>802.11a: -92dBm @6Mbps, -74dBm @54Mbps;</p> <p>802.11n 20MHz: -73dBm @MCS7; 802.11n 40MHz: -70dBm @MCS7;</p> <p>802.11ac 20MHz: -67dBm@MCS8; 802.11ac: 40MHz: -63dBm @MCS9; 802.11ac 80MHz: -59dBm @MCS9 ;</p> <p>802.11ax 20MHz: -60dBm @MCS11; 802.11ax 40MHz: -58dBm @MCS11; 802.11ax 80MHz: -56dBm @ MCS11; 802.11ax 160MHz: -52dBm@ MCS11</p>
SSIDs	32 SSIDs total, 16 per radio (2.4GHz and 5 GHz)
Concurrent Clients	256
Network Interfaces	1x autosensing 10/100/1000 Base-T Ethernet Port
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	<p>Embedded controller can manage up to 50 local GWN APs</p> <p>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</p>
Power and Green Energy Efficiency	<p>PoE 802.3af/ 802.3at;</p> <p>Maximum Power Consumption: 12.95W</p>
Environmental	<p>Operation: 0°C to 50°C Storage: -10°C to 60°C</p> <p>Humidity: 10% to 90% Non-condensing</p>
Physical	<p>Unit Dimension: 180.4mmx180.4mmx40.8mm; Unit Weight: 385g</p> <p>Entire Package Dimension: 228.5x220x79mm; Entire Package Weight: 630g</p>
Package Content	GWN7660E Wireless AP, Mounting Kits, Quick Start Guide
Compliance	FCC, CE, RCM, IC

## Documents / Resources



[GRANDSTREAM GWN7660E Wi-Fi 6 Access Point](#) [pdf] Instructions  
GWN7660E, AX3000, GWN7660E Wi-Fi 6 Access Point, GWN7660E, Wi-Fi 6 Access Point, 6  
Access Point, Access Point, Point

## References

- [Grandstream Networks - Networking & Unified Communications](#)
- [User Manual](#)

### Manuals+, Privacy Policy

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.