

Grandstream In-Wall AX3000 Wi-Fi 6 Access Point (GWN7661E)



Product Name: Grandstream In-Wall AX3000 Wi-Fi 6 Access Point (GWN7661E)

Manufacturer: Grandstream

Model Number: GWN7661E

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The Grandstream GWN7661E is an in-wall AX3000 Wi-Fi 6 access point designed for offices, hotels, homes, apartments and more. It provides dual-band Wi-Fi 6, a sophisticated antenna design for up to 3Gbps wireless speeds, 100-meter coverage range, 2x2:2 (2.4G) and 3x3:2 (5G) MU-MIMO technology. The GWN7661E provides three Gigabit network ports to provide IP phones, TVs, computers and similar devices with Ethernet while also providing an uplink Gigabit network port with PoE/PoE+. This Wi-Fi 6 access point is designed to be mounted in-wall to provide a clean and professional installation that blends into the surrounding environment. To ensure easy installation and management, the GWN7661E includes a built-in controller embedded within the product's web user interface. The GWN7661E can also be managed by GDMS and GWN Manager, Grandstream's free cloud and on-premise network management platforms. 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 and 256 concurrent clients per AP, the GWN7661E is an ideal Wi-Fi access point for in-wall installations and small-to-medium businesses deployments.

Grandstream GWN7661E Key Features:

- 3 Gbps wireless throughput and 4x Gigabit wireline ports
- 2x2:2 (2.4G) and 3x3:2 (5G) MU-MIMO with OFDMA technology
- Supports up to 256 concurrent Wi-Fi client devices
- Self power adaptation upon auto detection of PoE or PoE+
- 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
- Embedded controller manages up to 50 local GWN APs; GDMS offers unlimited AP management, GWN Manager offers on-premise software AP management

Grandstream GWN7661E Technical Specifications

Mechanical

- Wi-Fi Standards: IEEE 802.11 a/b/g/n/ac/ax
- Antennas: 2x dual-band internal antennas, 1x 5G internal antenna Antenna1, 2.4G gain 3.0dBi, 5G gain 5.0dBi 5G Antenna gain 4.5dBi
- Wi-Fi Data Rates: 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 5G: IEEE 802.11ax: 7.3 Mbps to 2402 Mbps IEEE 802.11ac: 6.5 Mbps to 1732 Mbps IEEE 802.11n: 6.5Mbps to 300Mbps IEEE 802.11a: 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 - 2483.5 MHz 5GHz Radio: 5150 - 5895 MHz *Not all frequency bands can be used in all regions
- Channel Bandwidth: 2.4G: 20 and 40 MHz 5G: 20, 40, 80 and 160 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 2.4GHz 3x3 5GHz

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½ Coverage Range: Up to 100 meters *Coverage range can vary based on environment
 ½ Maximum TX Power: 2.4G: 24dBm 5G: 26dBm *Maximum power varies by country, frequency band, and MCS rate
 ½ 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 MCS11;802.11ax 160MHz: -52dBm@ MCS11
 ½ SSIDs: 32 SSIDs total, 16 per radio (2.4GHz & 5GHz)
 ½ Concurrent Clients: 256
 ½ Network Interfaces: 1x 10/100/1000M uplink Ethernet port with PoE/PoE+ 2x 10/100/1000M Ethernet port with PSE 1x 10/100/1000M Ethernet port
 ½ Auxiliary Ports: 1x Reset Pinhole, 1x Kensington lock
 ½ Mounting: In-wall mountable
 ½ LEDs: 1 tri-color LED for device tracking and status indication
 ½ Network Protocols: IPv4, IPv6, 802.1Q, 802.1p, 802.1x, 802.11e/WMM
 ½ QoS: 802.11e/WMM, VLAN, TOS
 ½ Network Management: Embedded controller can manage up to 50 local GWN APs GDMS Networking offers a free cloud management platform for unlimited GWN APs GWN Manager offers premise-based software controller for up to 3,000 GWN APs
 ½ Power and Green Energy Efficiency: Support 802.3az PoE 802.3af/ 802.3at; The maximum output of all PSE ports is 12W; Maximum Power Consumption: 25W
 ½ Environmental: Operation: 0°C to 45°C Storage: -30°C to 60°C Humidity: 5% to 95% Non-condensing
 ½ Physical: Unit Dimension: 135mm(L) x 86mm(W) x 38.5mm(H); Unit Weight: 241g Entire Package Dimension: 176mm(L) x 118.5mm(W) x 65mm(H); Entire Package Weight: 361g
 ½ Package Content: GWN7661E Wi-Fi 6 In-Wall Wireless AP, Mounting Kits , Quick Installation Guide
 ½ Compliance: FCC, CE, RCM, IC

Price: \$86.08