

Grandstream Indoor AX6000 Wi-Fi 6 Access Point (GWN7664E)



Product Name: Grandstream Indoor AX6000 Wi-Fi 6 Access Point (GWN7664E)

Manufacturer: Grandstream

Model Number: GWN7664E

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The Grandstream GWN7664E is a powerful, enterprise-grade high-performance 802.11ax Wi-Fi 6 access point, ideal for small-to-medium sized businesses, multiple floor buildings, residential settings and commercial locations. It offers dual-band 4x4:4 MU-MIMO with OFDMA technology and a sophisticated internal antenna design for stronger anti-interference, more stable connection, maximum network throughput of upto 6Gbps and expanded Wi-Fi coverage range. The GWN7664E is supported by GWN.Cloud and GWN Manager, Grandstream's cloud and on-premise Wi-Fi management platform that makes managing your network or several networks across multiple locations easier than ever before. It also uses a controller-less network management architecture in which the controller is embedded within the product's web user interface for easy administration of locally deployed Wi-Fi APs. The GWN7664E 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, 512 concurrent clients and dual 2.5 Gigabit network ports with PoE+, the GWN7664E is an ideal Wi-Fi access point for business-grade wireless network deployments with medium-to-high user density.

Grandstream GWN7664E Key Features:

- 6Gbps aggregate wireless throughput, 5Gbps aggregate wired throughput
- Dual-band 4x4:4 MU-MIMO with OFDMA technology
- Up to 175-meter coverage range
- Support 512 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+
- Embedded controller manages up to 50 local GWN APs; GWN.Cloud offers unlimited AP management, & GWN Manager offers on-premise software AP management

Grandstream GWN7664E Technical Specifications

Mechanical

- Wi-Fi Standards: IEEE 802.11 a/b/g/n/ac/ax
- Antennas: 8 individual internal antennas, 4 per band 2.4GHz, gain 3.5dBi 5 GHz, gain 4.5dBi
- Wi-Fi Data Rates: 2.4G: IEEE 802.11ax: 7.3 Mbps to 1147 Mbps IEEE 802.11n: 6.5Mbps to 600Mbps 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 4804 Mbps IEEE 802.11ac: 6.5 Mbps to 3467 Mbps IEEE 802.11n: 6.5Mbps to 600Mbps 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: 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

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• MIMO: 4x4 2.4GHz 4x4 5GHz
• Coverage Range: Up to 175 meters *Coverage range can vary based on environment
• Maximum TX Power: 2.4G: 26.5dBm 5G: 25.5dBm *Maximum power varies by country, frequency band, and MCS rate
• Receiver Sensitivity: 2.4G 802.11b: -97dBm@1Mbps, -89dBm@11Mbps; 802.11g: -93dBm @6Mbps, -75dBm@54Mbps; 802.11n 20MHz: -73dBm @MCS7; 802.11n 40MHz: -70dBm @MCS7; 802.11ax 20MHz: -64dBm @ MCS11; 802.11ax 40MHz: -63dBm @MCS11 5G 802.11a: -93dBm @6Mbps, -75dBm @54Mbps; 802.11n 20MHz: -73dBm @MCS7; 802.11n 40MHz: -70dBm @MCS7 802.11ac 20MHz: -70dBm@MCS8; 802.11ac: HT40:- 66dBm @MCS9; 802.11ac 80MHz: -62dBm @MCS9; 802.11ax 20MHz: -64dBm @ MCS11; 802.11ax 40MHz: -61dBm @MCS11; 802.11ax 80MHz: -58dBm @MCS11; 802.11ax 160MHz: -55dBm @MCS11;
• SSIDs: 32 SSIDs total, 16 per radio (2.4GHz & 5GHz)
• Concurrent Clients: 512
• Network Interfaces: 2 x 2.5G 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 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
• Power and Green Energy Efficiency: PoE 802.3at; Maximum Power Consumption: 21W
• Environmental: Operation: 0°C to 50°C Storage: -10°C to 60°C Humidity: 10% to 95% Non-condensing
• Physical: Unit Dimension: 205.3mmx205.3mmx45.9mm; Unit Weight: 0.714Kg Entire Package Dimension: 258mmx247mmx86mm; Entire Package Weight: 1.06Kg
• Package Content: GWN7664E 802.11ax Wireless AP, Mounting Kits, Quick Start Guide
• Compliance: FCC, CE, RCM, IC

Price: £123.75