

## Grandstream Outdoor AX6000 Wi-Fi 6 Access Point (GWN7664ELR)



**Product Name:** Grandstream Outdoor AX6000 Wi-Fi 6 Access Point (GWN7664ELR)

**Manufacturer:** Grandstream

**Model Number:** GWN7664ELR

### Grandstream Outdoor AX6000 Wi-Fi 6 Access Point (GWN7664ELR)

The Grandstream GWN7664ELR is a high-performance outdoor long-range 802.11ax Wi-Fi6 access point for medium-to-large businesses and enterprises who need to provide long-range coverage in outdoor spaces. It offers IP67-level weatherproof capability, dual-band 4x4 MU-MIMO with OFDMA technology and a sophisticated antenna design for up to 6 Gbps wireless throughput that supports 512 clients and an expanded 300-meter coverage range. To ensure easy installation and management, the GWN7664ELR includes a built-in controller embedded within the product's web user interface. It is also supported by GWN.Cloud and GWN Manager, Grandstream's free cloud and on-premise Wi-Fi management platform. The GWN7664ELR is the ideal Wi-Fi AP for voice-over-Wi-Fi deployment and offers a seamless connection with Grandstream's Wi-Fi capable voice and video IP phones. This device features support for advanced QoS, low-latency real-time applications, mesh networks, captive portals, 2.5 Gigabit Ethernet port with PoE+, and a 2.5 Gigabit SFP port. The GWN7664ELR is an ideal outdoor Wi-Fi access point for enterprises, multiple floor offices, warehouses, hospitals, schools and more.

### Grandstream GWN7664ELR Key Features:

- 6Gbps aggregate wireless throughput, 2.5Gbps RJ45 and 2.5Gbps SFP wireline ports
- Dual-band 4x4 MU-MIMO with OFDMA technology
- 2.5 Gigabit Ethernet Port supports self power adaptation upon auto detection of PoE+
- Supports 512 concurrent Wi-Fi client devices
- Up to 300-meter coverage range
- 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
- Flexibility of 8 internal antennas
- Embedded controller manages up to 50 local GWN APs; GWN.Cloud offers unlimited AP management, & GWN Manager offers on-premise software AP management

### Grandstream GWN7664ELR Technical Specifications

#### Mechanical

- Wi-Fi Standards: IEEE 802.11 b/g/n/ac/ax
- Antennas: 8 individual internal antennas 2.4GHz, gain 5.5dBi 5GHz, gain 6.5dBi
- 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 600 Mbps 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: 5150-5850 MHz \*Not all frequency bands can be used in all regions
- Channel Bandwidth: 2.4G: 20 and 40 MHz (x4) 5G: 20, 40, 80 and 160 MHz (x4)
- 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
- MU-MIMO: 4x4 2.4GHz, 4x4 5GHz
- Coverage Range: Up to 300 meters \*Coverage range can vary based on environment

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½ Maximum TX Power: 5G: 23.5dBm 2.4G: 24.5dBm \*Maximum power varies by country, frequency band, and MCS rate

½ 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;

½ SSIDs: 32 SSIDs total, 16 per radio (2.4GHz & 5GHz)

½ Concurrent Clients: 512

½ Network Interfaces: 1x 2.5G RJ45 Port and 1x 2.5G SFP Port

½ Auxiliary Ports: 1x Reset Button

½ Mounting: Wall mount or pole mount, kits included (The mounting kits can be rotated and adjusted by 60&deg;)

½ LEDs: 1 tri-color LEDs for device tracking and status indication, 1 single-color LED for SFP 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: PoE 802.3at; Maximum Power Consumption: 24W

½ Environmental: Operation: -30&deg;C to 60&deg;C Storage: -30&deg;C to 60&deg;C Humidity: 10% to 90% Non-condensing

½ Physical: Unit Dimension: 260mm(L)x310mm(W)x59mm(H); Unit Weight: 1.445kg Entire Package Dimension: 469mm x 377mm x 137mm; Entire Package Weight: 3.06kg

½ Package Content: GWN7664ELR 802.11ax Wireless AP, Mounting Kits, Quick Installation Guide

½ Weatherproof Grade: IP67-level weatherproof capability

½ Compliance: FCC, CE, RCM, IC

**Price: \$201.54**