



Tri-Band Wi-Fi 7 Access Point

GWN7672

The GWN7672 is a powerful enterprise-grade Wi-Fi 7 access point that provides speeds up to 11 Gbps (BE11000). It ensures maximum network throughput and provides expanded Wi-Fi coverage range thanks to tri-band 2x2:2 MU-MIMO with DL/UL Enhanced OFDMA technology and a sophisticated antenna design. The GWN7672 improves bandwidth utilization and anti-interference with Multi-Resource Units (MRU) and Preamble Puncturing technology, provides a significant increase in data transfer rates through 4096 QAM, and optimizes spectrum resource utilization to ensure a smooth user experience through Multi-Link Operation (MLO) technology. This model offers hybrid management flexibility through its local web UI or cloud-based platforms like GDMS Networking and GWN Manager. 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. Engineered for high-density environments, this Wi-Fi access point supports up to 384 concurrent clients with ease. It ensures flawless real-time performance through advanced QoS and low-latency optimization, while offering the versatility of mesh networking and captive portals. Featuring Bluetooth 5.3 and dual 5 GbE PoE+ ports, it delivers the high-speed backhaul and IoT connectivity essential for demanding wireless deployments.



11 Gbps aggregate wireless throughput (BE11000), 10 Gbps aggregate wired throughput



Wi-Fi 7 Certified connectivity with tri-band 2x2:2 MU-MIMO, supporting MLO, 4K QAM, MRU and preamble puncturing



Up to 175-meter coverage range



Supports 384 concurrent Wi-Fi client devices



Advanced QoS guarantees flawless performance for real-time and low-latency



Enterprise-level security including anti-hacking secure boot, digital signature lockdowns for critical data, and unique security certificates with random default passwords for every device



Self power adaptation upon auto detection of PoE+



Besides the intuitive local Web UI, you can manage APs via GDMS Networking and GWN Manager for comprehensive cloud and on-premises control

Wi-Fi Standards	IEEE 802.11 a/b/g/n/ac/ax/be
Antennas	7 single-frequency antennas • 2.4 GHz: 2 × 3.5 dBi • 5 GHz: 2 × 5.5 dBi • 6 GHz: 2 × 5.5 dBi • BT: 1 × 3.5 dBi
Wi-Fi Data Rates	2.4 GHz: IEEE 802.11be: Up to 688 Mbps IEEE 802.11ax: 7.3 Mbps to 574 Mbps IEEE 802.11n: 6.5 Mbps to 300 Mbps IEEE 802.11b: 1, 2, 5.5, 11 Mbps IEEE 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps 5 GHz: IEEE 802.11be: Up to 4,320 Mbps IEEE 802.11ax: 7.3 Mbps to 2,402 Mbps IEEE 802.11ac: 6.5 Mbps to 1,732 Mbps IEEE 802.11n: 6.5 Mbps to 600 Mbps IEEE 802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps 6 GHz: IEEE 802.11be: Up to 5,765 Mbps IEEE 802.11ax: 8 Mbps to 4,802 Mbps <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>
Frequency Bands	2.4 GHz Radio: 2,400–2,483.5 MHz 5 GHz Radio: 5,150–5,850 MHz 6 GHz Radio: 5,945–7,125 MHz <i>*Not all frequency bands can be used in all regions</i>
Channel Bandwidth	2.4 GHz: 20 and 40 MHz 5 GHz: 20, 40 , 80 , 160 and 240 MHz 6 GHz: 20, 40 , 80, 160 and 320 MHz
Wi-Fi and System Security	WEP, WPA/WPA2-PSK, WPA/WPA2 Enterprise (TKIP/AES), WPA3, Unique Security Certificate and Random Default Password per Device, Anti-Hacking Secure Boot, Critical Data and Control Lockdown via Digital Signatures
MIMO	2x2:2 2.4 GHz 2x2:2 5 GHz 2x2:2 6 GHz
Coverage Range	Up to 175 m (574.15 ft) <i>*Coverage range can vary based on environment</i>
Maximum TX Power	2.4 GHz: 26 dBm 5 GHz: 25 dBm 6 GHz: 24 dBm <i>*Maximum power varies by country, frequency band and MCS rate</i>
Receiver Sensitivity	2.4 GHz 802.11b: -96 dBm@1 Mbps, -88 dBm@11 Mbps; 802.11g: -93 dBm@6 Mbps, -75 dBm@54 Mbps 802.11n 20 MHz: -73 dBm@MCS7; 802.11n 40 MHz: -70 dBm@MCS7 802.11ax 20 MHz: -65 dBm@MCS11; 802.11ax 40 MHz: -62 dBm@MCS11 802.11be 20 MHz: -65 dBm@MCS13; 802.11be 40 MHz: -62 dBm@MCS13 5 GHz 802.11a: -92 dBm@6 Mbps, -74 dBm@54 Mbps 802.11n 20 MHz: -73 dBm@MCS7; 802.11n 40 MHz: -70 dBm@MCS7 802.11ac 20 MHz: -70 dBm@MCS8; 802.11ac 40 MHz: -65 dBm@MCS9; 802.11ac 80 MHz: -62 dBm@MCS9; 802.11ac 160 MHz: -59 dBm@MCS9 802.11ax 20 MHz: -64 dBm@MCS11; 802.11ax 40 MHz: -61 dBm@MCS11; 802.11ax 80 MHz: -59 dBm@MCS11; 802.11ax 160 MHz: -55 dBm@MCS11 802.11be 20 MHz: -59 dBm@MCS13; 802.11be 40 MHz: -56 dBm@MCS13; 802.11be 80 MHz: -54 dBm@MCS13; 802.11be 160 MHz: -52 dBm@MCS13 6 GHz 802.11ax 20 MHz: -62 dBm@MCS11; 802.11ax 40 MHz: -59 dBm@MCS11; 802.11ax 80 MHz: -57 dBm@MCS11; 802.11ax 160 MHz: -53 dBm@MCS11; 802.11ax 320 MHz: -51 dBm@MCS11 802.11be 20 MHz: -57 dBm@MCS13; 802.11be 40 MHz: -54 dBm@MCS13; 802.11be 80 MHz: -52 dBm@MCS13; 802.11be 160 MHz: -50 dBm@MCS13; 802.11be 320 MHz: -47 dBm@MCS13
SSIDs	48 SSIDs total, 16 per radio (2.4 GHz, 5 GHz, and 6 GHz)
Concurrent Clients	384
Network Interfaces	2 × 5 GbE RJ45 ports
Auxiliary Ports	1 × Reset Pinhole, 1 × Kensington lock
Bluetooth®	Bluetooth Low Energy 5.3
Mounting	Indoor wall mount or ceiling mount, kits included
LED	1 tri-color LED 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: 25 W
Environmental	Operation Temperature: 0 °C to 45 °C (32 °F to 113 °F) Storage Temperature: -30 °C to 60 °C (-22 °F to 140 °F) Humidity: 10% to 90%, non-condensing
Physical	Unit Dimension: Ø220 mm × 54 mm (Ø8.66" × 2.13") Unit Weight: 838.4 lb (1.85 lb) Package Dimension: 275 mm × 266 mm × 76 mm (10.83" × 10.47" × 2.99") Package Weight: 1,271.4 g (2.80 lb)
Package Content	GWN7672 Wi-Fi 7 Wireless AP, Mounting Kits, Quick Start Guide
Compliance	FCC, CE, RCM, IC