Tri-band Wi-Fi 7 Access Point
GWN7672

The GWN7672 is a new generation enterprise-grade Wi-Fi 7 access point with BE11000, ideal for small-to-medium-sized businesses to build next-generation Wi-Fi networks. It offers tri-band 2x2:2 MU-MIMO with DL/UL Enhanced OFDMA technology and a sophisticated antenna design for maximum network throughput and expanded Wi-Fi coverage range. The GWN7672 improves bandwidth utilization and anti-interference ability with Multi-RU and Preamble Puncturing technology. With 4096 QAM modulation, Wi-Fi 7 achieves a significant increase in data transfer rates. MLO technology optimizes spectrum resource utilization to ensure a smooth experience for every user. To ensure easy installation and management, the GWN7672 uses a controller-less distributed network management design in which the controller is embedded within the product's Web user interface. The GWN7672 is also supported by GDMS Networking 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, BT location with BLE 5.3, 384 concurrent clients per AP and 2 x 5 Gigabit network ports with PoE+, GWN7672 is an ideal Wi-Fi access point for medium wireless network deployments with medium-to-high user density.

11Gbps aggregate wireless throughput, 5Gbps aggregate wired throughout

Integrated Wi-Fi 7 & Tri-band 2x2:2 MU-MIMO with MLO, 4KQAM, MRU, Premable Puncturing Technology

Up to 175-meter coverage range

Support 384 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; GDMS Networking offers unlimited AP management, & GWN Manager offers on-premise software AP management

Wi-Fi Standards	IEEE 802.11 a/b/g/n/ac/ax/be
Antennas	7 single frequency antennas 2.4GHz x 2, gain 3.5dBi 5GHz x 2, gain 5.5dBi 6GHz x 2, gain 5.5dBi BT gain 3.5dBi
Wi-Fi Data Rates	**2.4G:** 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 **5G:** IEEE 802.11be: Up to 4320 Mbps IEEE 802.11ax: 7.3 Mbps to 2402 Mbps IEEE 802.11ac: 6.5 Mbps to 1732 Mbps IEEE 802.11n: 6.5 Mbps to 600 Mbps IEEE 802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps **6G:** IEEE 802.11be: Up to 5765 Mbps IEEE 802.11ax: 8 Mbps to 4802 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 6GHz Radio: 5945 - 7125 MHz *Not all frequency bands can be used in all regions*
Channel Bandwidth	2.4G: 20 and 40 MHz 5G: 20, 40 , 80 , 160MHz and 240MHz 6G: 20, 40 , 80, 160 and 320MHz
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 2.4GHz 2x2:2 5GHz 2x2:2 6GHz
Coverage Range	Up to 175 meters *coverage range can vary based on environment*
Maximum TX Power	2.4G: 26dBm 5G: 25dBm 6G: 24dBm *Maximum power varies by country, frequency band and MCS rate*
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: -65dBm @MCS11; 802.11ax 40MHz: -62dBm @MCS11; 802.11be 20MHz: -65dBm @MCS11; 802.11be 40MHz: -62dBm @MCS11; **5G** 802.11a: -92dBm @6Mbps, -74dBm @54Mbps; 802.11n 20MHz: -73dBm @MCS7; 802.11n 40MHz:-70dBm @MCS7; 802.11ac 20MHz: -70dBm@MCS8; 802.11ac: 40MHz:- 65dBm @MCS9; 802.11ac 80MHz: -62dBm @MCS9; 802.11ac 160MHz: -59dBm @MCS9; 802.11ax 20MHz: -64dBm @MCS11; 802.11ax 40MHz: -61dBm @MCS11;802.11ax 80MHz: -59dBm @MCS11; 802.11ax 160MHz: -55dBm@ MCS11; 802.11be 20MHz: -59dBm @MCS13; 802.11be 40MHz: -56dBm @MCS13; 802.11be 80MHz: -54dBm @MCS13; 802.11be 160MHz: -52dBm @ MCS13; **6G** 802.11ax 20MHz: -62dBm @MCS11;802.11ax 40MHz: -59dBm @MCS11;802.11ax 80MHz: -57dBm @MCS11;802.11ax 160MHz:-53dBm@ MCS11;802.11ax 320MHz:-51dBm@ MCS11 802.11be 20MHz: -57dBm @MCS13; 802.11be 40MHz: -54dBm @MCS13; 802.11be 80MHz: -52dBm @MCS13; 802.11be 160MHz: -50dBm @ MCS13;802.11be 320MHz: -47dBm @MCS13
SSIDs	48 SSIDs total, 16 per radio (2.4GHz, 5GHz, and 6GHz)
Concurrent Clients	384
Network Interfaces	2x 5G Ethernet WAN/LAN
Auxiliary Ports	1x Reset Pinhole, 1x Kensington lock
Bluetooth®	BLE 5.3
Mounting	Indoor wall mount or ceiling mount, kits included
LEDs	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: 25W
Environmental	Operation: 0°Cto 45°C Storage: -30°C to 60°C Humidity: 10% to 90% Non-condensing
Physical	Unit Dimension: 220mmx220mmx54mm; Unit Weight: 838.4g Entire Package Dimension: 275mmx266mmx76mm; Entire Package Weight: 1271.4g
Package Content	GWN7672 Wi-Fi 7 Wireless AP, Mounting Kits, Quick Start Guide
Compliance	FCC, CE, RCM, IC

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