Wi-Fi 6 CERTIFIED

802.11ax 4x4:4 Wi-Fi 6 Access Point

GWN7664

The GWN7664 is a powerful, enterprise-grade 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 MUMIMO with DL/UL OFDMA technology and a sophisticated internal antenna design for stronger anti-interference, more stable connection, maximum network throughput and expanded Wi-Fi coverage range. The GWN7664 is supported by GWN. Cloud and GWN Manager, Grandstream's cloud and on-premise Wi-Fi management platform that and 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 GWN7664 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, 750+ concurrent clients and dual Gigabit network ports with PoE/PoE+, the GWN7664 is an ideal Wi-Fi access point for business-grade wireless network deployments with medium-to-high user density.

Gigabit
3.55Gbps aggregate wireless throughput, 2.5Gbps aggregate wired throughout

4x4 MIMO
Dual-band 4x4:4 MU-MIMO with DL/UL OFDMA technology

175 meters
Up to 175-meter coverage range

Support 750+ concurrent Wi-Fi client devices

QoS
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

PoE
Self power adaptation upon auto detection of PoE or PoE+

Embedded controller manages up to 50 local GWN APs; GWN.Cloud offers unlimited AP management, & GWN Manager offers on-premise software AP management

Wi-Fi Standards	IEEE 802.11 a/b/g/n/ac/ax
Antennas	8 individual internal antennas, 4 per band 2.4GHz, gain 3dBi 5 GHz, gain 4dBi
Wi-Fi Data Rates	**5G:** IEEE 802.11ax: 8 Mbps to 2402 Mbps IEEE 802.11ac: 6.5 Mbps to 1733 Mbps IEEE 802.11n: 6.5Mbps to 600Mbps IEEE 802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps **2.4G:** IEEE 802.11ax: 8 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 *Actual throughput may vary depending on many factors including environmental conditions, distance between devices, radio interfe-rence in the operating environment and mix of devices in the network*
Frequency Bands	2.4GHz Radio: 2412 - 2484 MHz 5GHz Radio: 5180 - 5825 MHz *Not all frequency bands can be used in all regions*
Channel Bandwidth	2.4G: 20 and 40 MHz (x4) 5G: 20, 40 and 80 MHz (x4)
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	4×4:4 2.4GHz 4×4:4 5GHz
Coverage Range	Up to 175 meters *coverage range can vary based on environment*
Maximum TX Power	5G: 25dBm 2.4G: 26dBm *Maximum power varies by country, frequency band and MCS rate*
Receiver Sensitivity	**2.4G** 802.11b: -99dBm@1Mbps, -91dBm@11Mbps; 802.11g: -94dBm @6Mbps, -78dBm@54Mbps; 802.11n 20MHz: -75dBm @MCS7; 802.11n 40MHz:-71dBm @MCS7; 802.11ax 20MHz: -64dBm @ MCS11; 802.11ax 40MHz: -63dBm @MCS11 **5G** 802.11a: -95dBm @6Mbps, -77dBm @54Mbps; 802.11n 20MHz: -74dBm @MCS7; 802.11n 40MHz:-71dBm @MCS7 802.11ac 20MHz: -70dBm@MCS8; 802.11ac: HT40:- 66dBm @MCS9; 802.11ac 80MHz: -62dBm @MCS9; 802.11ax 20MHz: -64dBm @ MCS11; 802.11ax 40MHz: -62dBm @MCS11;802.11ax 80MHz: -59dBm @MCS11
SSIDs	32 SSIDs total, 16 per radio (2.4GHz & 5GHz)
Concurrent Clients	750+
Network Interfaces	1x 1G Port and 1x 2.5G Port, support 3.5Gbps aggregate wire throughput
Auxiliary Ports	1x Reset Pinhole, 1x Kensington lock
Mounting	Indoor wall mount or ceiling mount, kits included
LEDs	1 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 GWN.Cloud 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 802.3af/ 802.3at; Maximum Power Consumption: 17W
Environmental	Operation: 0°Cto 50°C Storage: -10°C to 60°C Humidity: 10% to 90% Non-condensing
Physical	Unit Dimension: 205.3mm(L)x205.3mm(W)x45.9mm(H); Unit Weight: 0.714Kg Entire Package Dimension: 258x247x86mm; Entire Package Weight: 1.06Kg
Package Content	GWN7664 802.11ax Wireless AP, Mounting Kits, Quick Start Guide
Compliance	FCC, CE, RCM, IC

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