



802.11ac Wave-2 WiFi Access Point with 4x4:4 MU-MIMO Technology for Business

GWN7630

The GWN7630 is a high-performance 802.11ac Wave-2 Wi-Fi access point for small to medium-sized businesses, multi-story offices, shopping malls, and branch offices. It features dual-band 4x4:4 MU-MIMO technology and a sophisticated antenna design for maximum network throughput and extended Wi-Fi coverage. For ease of installation and management, the GWN7630 employs a controllerless distributed network management design, with the controller integrated into the product's web user interface. The GWN7630 is also supported by GWN.Cloud, Grandstream's free cloud-based Wi-Fi management platform. It is the ideal Wi-Fi access point for Voice over Wi-Fi deployments and provides seamless connectivity with Grandstream Wi-Fi-enabled IP phones. With support for advanced QoS, low-latency real-time applications, mesh networks, captive portals, more than 200 simultaneous clients per access point, and two Gigabit network ports with PoE/PoE+, the GWN7630 is an ideal Wi-Fi access point for medium-sized wireless network deployments with medium to high user density.



Gigabit

Wireless performance of 2.33 Gbps and 2 wired Gigabit ports.



Dual-band 4x4:4 MU-MIMO technology.



PoE

Self-power adaptation in the automatic detection of PoE or PoE+.



It supports more than 200 Wi-Fi devices simultaneously.



Coverage range of up to 175 meters.



Advanced QoS to ensure real-time performance of low-latency applications.



Anti-hacking function, Secure Boot and critical data security lock/control via digital signatures, unique security certificate/

Random default password per device.



The integrated controller can manage up to 50 local GWN series Access Points; GWN.Cloud offers unlimited Access Point management; GWN Manager offers an on-site software controller

IEEE 802.11 a/b/g/n/ac (Wave-2) Wi-Fi Standards		
Antennas	4 internal dual-band antennas 2.4 GHz, 4dBi	
	gain 5 GHz, 5dBi gain <i>IEEE 802.11ac: 6.5 Mbps at</i>	
WiFi Data Speeds	1733 Mbps <i>IEEE 802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps IEEE 802.11n: 6.5 Mbps at 600 Mbps IEEE 802.11b: 1, 2, 5.5, 11 Mbps IEEE 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps</i>	
	<i>*Actual performance may vary depending on many factors including environmental conditions, distance between devices, radio interference in the operating environment, and the mix of devices on the network.</i>	
Frequency Bands		2.4GHz Radio: 2412 - 2484 MHz 5GHz Radio: 5180 - 5825 MHz
Channel Bandwidth		2.4G: 20 and 40 MHz 5G: 20, 40 and 80 MHz
WiFi and System Security		
MIME	4x4:4 2.4G(MIMO)	
	4x4:4 5G(MU-MIMO)	
Scope of Coverage	Up to 175 meters	
	<i>*Coverage range may vary depending on the environment.</i>	
Maximum TX Power	2.4G: 27 dBm 5G: 25 dBm	
	<i>*Maximum power varies by country, frequency band, and MCS speed.</i>	
Receptor 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 5G 802.11a: -92dBm @6Mbps, -74dBm	
	@54Mbps; 802.11ac 20MHz: -67dBm@MCS8; 802.11ac: HT40:- 63dBm @MCS9; 802.11ac 80MHz: -59dBm @MCS9	
SSIDs 32 SSIDs in total, 16 per radio (2.4GHZ and 5GHZ)		
200+ Simultaneous Clients		
Network Interfaces : 2 auto-sensing 10/100/1000Base-T Ethernet ports		
Auxiliary Ports : 1 pinhole reset button, 1 Kensington security slot		
Mounting : Interior wall or ceiling mount, kit included		
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	The integrated controller can manage up to 50 local GWN Access Points.	
	GWN.Cloud offers a free cloud-based management platform for unlimited GWN Access Points.	
Food and Energy Efficiency	GWN Manager offers an on-site software controller for up to 3,000 GWN Access Points.	
	Clean	Compatible with the 802.3az standard; PoE 802.3at; Maximum power consumption: 16.5W
Physical Specifications	Around	Operating temperature: 0°C to 40°C Storage: -10°C to 60°C Humidity: 10% to 90% non-condensing
	Unit dimensions: 205.3 mm x 205.3 mm x 45.9 mm; Unit weight: 590 g; Unit and mounting kit dimensions: 205.3 mm x 205.3 mm x 50.9 mm; Unit and mounting kit weight: 710 g; Complete package dimensions: 258 mm x 247 mm x 86 mm; Complete package weight: 930 g. 802.11ac Wave-2 Wireless Access Point, model GWN7630, mounting kits, Quick Start Guide	
Package Contents		
Compliant with FCC, CE, RCM, IC		