



802.11ac Wave-2 2x2:2 Wi-Fi Access Point

GWN7605

The GWN7605 is an affordable 802.11ac Wave-2 Wi-Fi access point ideal for small to medium-sized wireless network deployments with a medium user density. It features dual-band 2x2:2 MU-MIMO beamforming technology and a sophisticated antenna design for maximum network performance and extended Wi-Fi coverage. For ease of installation and management, the GWN7605 utilizes a controllerless distributed network management design, with the controller integrated into the product's web user interface. The GWN7605 is also compatible with GWN.Cloud and GWN Manager, Grandstream's cloud and on-premises Wi-Fi management platforms. It is the ideal Wi-Fi access point for Voice over Wi-Fi deployments, providing seamless connectivity with Grandstream's Wi-Fi-enabled IP phones. With support for advanced QoS, low-latency real-time applications, mesh networking, captive portals, over 100 simultaneous clients per Access Point, and two Gigabit network ports with PoE/PoE+, the GWN7605 is a scalable Wi-Fi solution for environments such as shopping malls, restaurants, small offices, and more.



Total wireless performance of
1.27Gbps and 2 wired
Gigabit ports



Dual-band 2x2:2 MU-MIMO
beamforming technology



Self-power adaptation after automatic PoE/
PoE+ detection



It accepts more than 100
simultaneous Wi-Fi
devices



Coverage range of up to 165 meters



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



Secure boot with anti-hacking and critical data
security locking/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 802.11a/b/g/n/ac WiFi Standard (Wave-2)		
Antennas	2 internal dual-band antennas	
	2.4 GHz, 3 dBi gain	
	5 GHz, 4dBi gain	
Wi-Fi Data Speeds	IEEE 802.11ac: 6.5 Mbps to 867 Mbps IEEE	
	802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps IEEE 802.11n:	
	6.5 Mbps to 300 Mbps; 400 Mbps with 256-QAM on 2.4 GHz.	
	IEEE 802.11b: 1, 2, 5.5, 11 Mbps IEEE	
802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps		
*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.		
Frequency Bands	2.4 GHz radio: 2412 – 2484 MHz	
	5 GHz radio: 5180 – 5825 MHz	
Channel Bandwidth		
2.4G: 20 and 40 MHz		
5G: 20, 40 and 80 MHz		
Wi-Fi and System Security		
WEP, WPA/WPA2-PSK, WPA/WPA2 Enterprise (TKIP/AES), secure boot anti-hacking and critical data security lock/control via digital signatures, unique security certificate and random default password per device		
MIME	2x2:2 2.4GHz (MIMO) 2x2:2	
	5GHz (MU-MIMO)	
Scope of Coverage	Up to 165 meters	
	*Coverage range may vary depending on the environment.	
Maximum TX Power	2.4 GHz: 24 dBm	
	5G: 22 dBm	
*Maximum power varies depending on the country, frequency band, and MCS speed.		
Receptor Sensitivity	2.4G	
	802.11b: -96 dBm at 1 Mbps, -88 dBm at 11 Mbps; 802.11g: -93 dBm at 6 Mbps, -75 dBm at 54 Mbps; 802.11n 20 MHz: -73 dBm at MCS7; 802.11n 40 MHz: -70 dBm at MCS7 5G	
	802.11a: -92 dBm at 6 Mbps, -74 dBm at 54 Mbps; 802.11ac 20 MHz: -67 dBm at MCS8; 802.11ac: HT40: -63 dBm at MCS9; 802.11ac 80 MHz: -59 dBm at MCS9	
SSIDs 16 SSIDs in total, 8 per radio (2.4GHZ and 5GHZ)		
Over 100 Simultaneous Clients		
Network Interfaces : 2 auto-sensing 10/100/1000 Base-T Ethernet ports		
Auxiliary ports: 1 pinhole reset button, 1 Kensington security slot		
Mounting: Interior wall or ceiling mount, kits 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 series Access Points.	
	GWN.Cloud offers a free cloud-based management platform for unlimited GWN Access Points.	
GWN Manager offers an on-site software controller for up to 3,000 GWN Access Points		
Food and Energy Efficiency	Clean	PoE 802.3af/802.3at;
		Maximum Power Consumption: 10.16W
Atmosphere	Operating temperature: 0°C to 40°C	
	Storage: -10°C to 60°C	
Humidity: 10% to 90% Non-condensing		
Physical Specifications	Unit dimensions: 180.4 mm x 180.4 mm x 40.8 mm; Unit weight: 388.2 g; Full package dimensions: 228.5 x 220	
	x 79 mm; Full package weight: 719.3 g	
Package Contents: GWN7605 802.11ac Wireless Access Point, mounting kits, Quick Start Guide		
Compliant with FCC, CE, RCM, IC		