GRANDSTREAM

GWN7603 vs GWN7602

3 Free Wi-Fi Management Options

The GWN7603 offers 3 free management options: cloud based (GWN.Cloud), software based (GWN Manager) and embedded (built-in to the web UI) whereas the GWN7602 only offers to 2 free management options via cloud based (GWN.Cloud) and software based (GWN Manager) and doesn't have the embedded controller. Thereby, the GWN7603 has one more management option that makes for easy management that is accessible from anywhere at anytime.

2x2:2 MU-MIMO

The GWN7603 is equipped with 2x2:2 MU-Mimo on both the 2.4G band and the 5G band which is a huge upgrade on the GWN7602 that supports only mesh. By having MU-Mimo, the GWN7603 can handle traffic from multiple devices at the same time, allows for better download speeds and an overall better user experience as compared to any mesh routers.

Concurrent Clients

The GWN7603 supports 100+ clients which is higher than the GWN7602 that supported only up to 80 clients. This indicates that the GWN7603 provides more bandwidth and Wi-Fi speed compared to the GWN7602.

	GWN7602	GWN7603
Wi-Fi Standards	IEEE 802.11a/b/g/n/ac	IEEE 802.11a/b/g/n/ac (Wave-2)
Supported Concurrent Clients	Up to 80 clients	100+ clients
Coverage Range	100 meters	
Network Interfaces	1 x 10/100/1000M uplink Ethernet port with POE/POE+ 2 x 10/100M Ethernet port with PSE 1 x 10/100M Ethernet port	1 x 10/100/1000M uplink Ethernet port with POE/POE+ 2 x 10/100/1000M Ethernet port with PSE 1 x 10/100/1000M Ethernet port
2.4GHz Throughput	300Mbps	300 Mbps, 400 Mbps with 256-QAM on 2.4GHz
5GHz Throughput	867Mbps	867Mbps
Wireless Throughput	1.17Gbps	1.27Gbps
Antennas	2 dual band internal antennas. Antenna 1 - 2.4GHz: gain 3.0dBi, 5GHz: gain 3.5dBi Antenna 2 - 2.4GHz: gain 3.5dBi, 5GHz: gain 3.0dBi	
Channel Bandwidth	2.4G: 20 and 40MHz 5G: 20, 40, 80MHz	
MU-MIMO	-	2×2:2 2.4GHz 2×2:2 5GHz
Maxiumum TX Power	2.4G: 21 dBm 5G: 21 dBm	5G: 22dBm 2.4G: 24dBm
Maximum Power Consumption	PSE Max output per port: 6W	PSE Max output per port: 12W power budget for LAN2/LAN3
Wireless Security	WEP, WPA/WPA2-PSK, WPA/WPA2 Enterprise	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
QoS	Yes	
SSIDs	8 SSIDs total, 4 per radio (2.4ghz and 5 ghz)	16 SSIDs total, 8 per radio (2.4ghz and 5 ghz)
Mounting	Wall mountable	Indoor wall mount (kit included)
LEDs	1x tri-color LEDs for device tracking and status indication	
Management	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	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
Dimensions	Unit Dimension:135 x 115 x 30mm Unit Weight: 188g	Unit Dimension:135 x 115 x 30mm Unit Weight: 215g
Compliance	FCC, CE, RCM, IC	