



Partner Marketing Kit

GRANDSTREAM

GWN7603

802.11ac Wave-2 Wi-Fi Access Point

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802.11ac Wave-2 Wi-Fi Access Point

Presentation



[Translations](#)

[English \(PowerPoint\)](#)

[English \(PDF\)](#)

802.11ac Wave-2 Wi-Fi Access Point Comparison Charts

Comparison Charts are short one page resources that clearly highlight the features of Grandstream's products against competitors products or Grandstream's products within the same product line. They can be categorized into two main categories:

- 1. Master Comparison Charts** - Comparing Grandstream's products against each other from the same product line.
- 2. Grandstream Products vs Competition** - Comparing the features of Grandstream's products against similar competitor's products

Comparison Charts

[GWN7603 vs GWN7602 Comparison Chart](#)

[GWN7603 vs Competition Comparison Chart](#)

GRANDSTREAM GWN7603 vs GWN7602		
		
3 Free Wi-Fi Management Options The GWN7603 offers 3 free management options: cloud based (GWNCloud), software based (GWN Manager) and embedded (built-in) to the user. The GWN7602 only offers 2 free management options: cloud based (GWNCloud) and software based (GWN Manager) and doesn't have the embedded controller. Hence, the GWN7603 has one more management option that makes for easy management that is accessible from anywhere at anytime.	2x2 MU-MIMO The GWN7603 is equipped with 2x2 MU-MIMO on both the 2.4GHz and the 5GHz channels to achieve up to 4x higher throughput than single stream 802.11n. The GWN7602 only supports up to 2x higher throughput than single stream 802.11n. By using MU-MIMO, the GWN7603 can handle traffic from multiple devices at the same time, thus for better throughput and an overall better user experience as compared to any other routers.	Concurrent Clients The GWN7603 supports 100+ clients which is higher than the GWN7602 that supports only up to 80 clients. This indicates that the GWN7603 provides more bandwidth and Wi-Fi speed compared to the GWN7602.
Wi-Fi Standards	IEEE 802.11a/b/g/n/ac	IEEE 802.11a/b/g/n/ac
Concurrent Clients	Up to 80 clients	Up to 100+ clients
Network Interface	1 x 10/100/1000M Gigabit Ethernet port with PoE/PoE+ 2 x 10/100/1000M Ethernet ports	1 x 10/100/1000M Gigabit Ethernet port 2 x 10/100/1000M Ethernet ports
LAN Throughput	300Mbps	300Mbps
WAN Throughput	300Mbps	300Mbps
Wireless Throughput	1.7Gbps	1.7Gbps
Antennas	2 dual band internal antennas Antenna 1 - 2.4GHz gain 2.5dBi, 5GHz gain 3.5dBi Antenna 2 - 2.4GHz gain 3.5dBi, 5GHz gain 3.5dBi	2 dual band internal antennas Antenna 1 - 2.4GHz gain 2.5dBi, 5GHz gain 3.5dBi Antenna 2 - 2.4GHz gain 3.5dBi, 5GHz gain 3.5dBi
Channel Bandwidth	20, 40, 80, 160MHz	20, 40, 80, 160MHz
MU-MIMO	2x2 2.4GHz 2x2 5GHz	2x2 2.4GHz 2x2 5GHz
Maximum Tx Power	2.4GHz: 27 dBm 5GHz: 20 dBm	2.4GHz: 27 dBm 5GHz: 20 dBm
Maximum Power Consumption	PSE Max output per port: 6W	PSE Max output per port: 12W power
Wireless Security	WEP, WPA/WPA2-PSE, WPA/WPA2 Enterprise	WEP, WPA/WPA2-PSE, WPA/WPA2 Enterprise, WPA3, and handling secure boot and lockdown on digital signatures, user and random default password
QoS	8 DSCP total, 4 per radio (2.4GHz and 5 GHz)	16 DSCP total, 8 per radio (2.4GHz and 5 GHz)
LEDs	1x tri-color LEDs for device tracking and status indication	1x tri-color LEDs for device tracking and status indication
Management	GWNCloud offers a free cloud management platform for software based management. GWN Manager offers a free software based management platform for software based management. GWN Manager offers a free software based management platform for software based management.	GWNCloud offers a free cloud management platform for software based management. GWN Manager offers a free software based management platform for software based management. GWN Manager offers a free software based management platform for software based management.
Dimensions	Unit Dimension: 135 x 115 x 30mm Unit Weight: 170g	Unit Dimension: 135 x 115 x 30mm Unit Weight: 170g
Compliance	FCC, CE, RoHS, IC	FCC, CE, RoHS, IC

GRANDSTREAM GWN7603 vs Competition		
		
3 Free Wi-Fi Management Options The GWN7603 offers 3 free management options: cloud based (GWNCloud), software based (GWN Manager) and embedded (built-in) to the user. The GWN7602 only offers 2 free management options: cloud based (GWNCloud) and software based (GWN Manager) and doesn't have the embedded controller. Hence, the GWN7603 has one more management option that makes for easy management that is accessible from anywhere at anytime.	Gigabit Speeds The GWN7603 has a slightly higher gigabit speed on the 2.4GHz band of 300Mbps compared to the Aruba 100 AP11 and UniFi UAP-AC-LITE that have a gigabit speed of 200Mbps. As a result, the GWN7603 has a slightly higher gigabit speed on the 2.4GHz band than the other 2 products that have a gigabit speed of 200Mbps.	
Wi-Fi Standards	IEEE 802.11a/b/g/n/ac Wave-2	IEEE 802.11a/b/g/n/ac Wave-2
Supported Concurrent Clients	100+ clients	100+ clients
Network Interface	1 x 10/100/1000M Gigabit Ethernet port with PoE/PoE+ 2 x 10/100/1000M Ethernet ports	1 x 10/100/1000M Ethernet Port
LAN Throughput	300Mbps	300Mbps
WAN Throughput	300Mbps	300Mbps
Wireless Throughput	1.7Gbps	1.7Gbps
Antennas	2 dual band internal antennas Antenna 1 - 2.4GHz gain 2.5dBi, 5GHz gain 3.5dBi Antenna 2 - 2.4GHz gain 3.5dBi, 5GHz gain 3.5dBi	2 dual band internal antennas Antenna 1 - 2.4GHz gain 2.5dBi, 5GHz gain 3.5dBi Antenna 2 - 2.4GHz gain 3.5dBi, 5GHz gain 3.5dBi
MU-MIMO	2x2 2.4GHz 2x2 5GHz	2x2 2.4GHz 2x2 5GHz
Maximum Tx Power	2.4GHz: 27 dBm 5GHz: 20 dBm	2.4GHz: 27 dBm 5GHz: 20 dBm
Maximum Power Consumption	PSE Max output per port: 12W power budget for LAN/LAN+PoE	Max power consumption: 16.1W (PoE), 8.6W (DC)
Wireless Security	WEP, WPA/WPA2-PSE, WPA/WPA2 Enterprise, WPA3, and handling secure boot and lockdown on digital signatures, user and random default password per device	WEP, WPA/WPA2-PSE, WPA/WPA2 Enterprise, WPA3, and handling secure boot and lockdown on digital signatures, user and random default password per device
QoS	16 DSCP total, 8 per radio (2.4GHz and 5 GHz)	16 DSCP total, 8 per radio (2.4GHz and 5 GHz)
LEDs	1x tri-color LEDs for device tracking and status indication	1x tri-color LEDs for device tracking and status indication
Management	GWNCloud offers a free cloud management platform for software based management. GWN Manager offers a free software based management platform for software based management. GWN Manager offers a free software based management platform for software based management.	GWNCloud offers a free cloud management platform for software based management. GWN Manager offers a free software based management platform for software based management. GWN Manager offers a free software based management platform for software based management.
Dimensions	Unit Dimension: 135 x 115 x 30mm Unit Weight: 170g	Unit Dimension: 135 x 115 x 30mm Unit Weight: 170g
Compliance	FCC, CE, RoHS, IC	FCC, CE, RoHS, IC

802.11ac Wave-2 Wi-Fi Access Point

Product Messaging - GWN7603

Tagline	Wave-2 Wi-Fi Access Point		
Subhead	The GWN7603 is a versatile, compact Wi-Fi access point that provides 4 Gigabit ports; two ports with PSE that can provide PoE and a network connection to other devices and one uplink port that can receive PoE to power the access point.		
Target Audience	Small Businesses, Hotels, Home Offices, Retail Stores, and more		
Product Description	The GWN7603 is a compact Wi-Fi access point designed for small businesses, hotels, and home offices. It provides versatility through four Gigabit ethernet ports, including one uplink port that can receive PoE/PoE+ to power the access point, and two ports with PSE that can provide PoE and a network connection to other devices. The GWN7603 offers dual-band 2x2:2 MU-MIMO technology and a sophisticated antenna design to support 100+ concurrent clients and up to 100-meter coverage range. This Wi-Fi access point can be easily installed and managed using GWN.Cloud (now integrated with GDMS) and GWN Manager, Grandstream's cloud and on-premise network management platforms. With support for advanced QoS, low-latency real-time applications, mesh networks, captive portals, 1.27Gbps wireless throughput, and four Gigabit network ports, the GWN7603 is the ideal Wi-Fi access point for small-to-medium sized deployments that require flexibility.		
Customer Challenges	A small business needs to provide easy and cost-effective Wi-Fi access within a designated area or for a conference room/huddle room while also providing the ability to power and connect other nearby devices, including IP phones, conferencing equipment, and more.	A hotel needs to provide Wi-Fi access to guests in each guest room while also providing power and a network connection to the phone, TV and other devices in the room, while also providing access to a wired internet connection in guest rooms	A home office needs an easy-to-use, cost-effective Wi-Fi access point that can also provide power and internet connections to other nearby devices, including phones and routers, while also providing access to a wired internet connection.
Customer Solutions	The GWN7603 provides a compact, easy-to-deploy, easy-to-use Wi-Fi access point that also provides the ability to provide power and a network connection to other nearby devices, ideal for small businesses, hotels, and home offices. This versatile AP supports 100+ concurrent clients, 100-meter coverage range, up to 1.27Gbps, MESH networking, and provides versatility through four Gigabit ethernet ports. These 4 ports include one uplink port that can receive PoE/PoE+ to power the access point, and two ports with PSE that can provide PoE and a network connection to other devices. The GWN7603 can be easily installed and managed using GWN.Cloud (now integrated with GDMS) and GWN Manager, providing a variety of cloud and local installation and management options.		

802.11ac Wave-2 Wi-Fi Access Point

GWN7603



802.11ac Wave-2 Wi-Fi Access Point GWN7603

The GWN7603 is a compact Wi-Fi access point designed for small businesses, hotels, and home offices. It provides versatility through four Gigabit ethernet ports, including one uplink port that can receive PoE/PoE+ to power the access point, and two ports with PSE that can provide PoE and a network connection to other devices. The GWN7603 offers dual-band 2x2:2 MU-MIMO technology and a sophisticated antenna design to support 100+ concurrent clients and up to 100-meter coverage range. This Wi-Fi access point can be easily installed and managed using GWN.Cloud (now integrated with GDM5) and GWN Manager, Grandstream's cloud and on-premise network management platforms. With support for advanced QoS, low-latency real-time applications, mesh networks, captive portals, 1.27Gbps wireless throughput, and four Gigabit network ports, the GWN7603 is the ideal Wi-Fi access point for small-to-medium sized deployments that require flexibility.



Gigabit

1.27Gbps aggregate wireless throughput, 1x Gigabit and 3x Gigabit wireline speed



100 meters

Up to 100 meters coverage range



PoE

Self power adaptation upon auto detection of PoE/PoE+ and PSE



Security

Anti-hacking secure boot and critical data/control lockdown via digital signatures, unique security certificate/random default password per device



Wi-Fi

Support up to 100+ concurrent Wi-Fi client devices



QoS

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

Wi-Fi Standards	IEEE 802.11a/b/g/n/ac (Wave-2)
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
Wi-Fi Data Rates	IEEE 802.11ac: 6.5 Mbps to 867Mbps IEEE 802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps IEEE 802.11n: 6.5Mbps to 300Mbps; 400Mbps with 256-QAM on 2.4GHz IEEE 802.11b: 1, 2, 5.5, 11Mbps IEEE 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps <i>*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</i>
Frequency Bands	2.4 GHz Radio: 2412 ~ 2484 MHz 5 GHz Radio: 5150-5250 MHz, 5250-5350 MHz, 5470-5725 MHz, 5725-5850 MHz <i>*Not all frequency bands can be used in all regions. The band 5150-5350 MHz is restricted to indoor use only in all EU states.</i>
Channel Bandwidth	2.4G: 20 and 40MHz 5G: 20, 40, 80MHz
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
MU-MIMO	2x2:2 2.4GHz, 2x2:2 5GHz
Coverage Range	Up to 100 meters <i>*Coverage range can vary based on environment</i>
Maximum TX Power	2.4G: 24dBm 5G: 22dBm <i>*Maximum power varies by country, frequency band, and MCS rate</i>
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 5G: 802.11a: -92dBm @ 6Mbps, -74dBm @ 54Mbps; 802.11ac 20MHz: -67dBm @ MCS8; 802.11ac HT40: -63dBm @ MCS9; 802.11ac 80MHz: -59dBm @ MCS9
SSIDs	16 SSIDs total, 8 per radio (2.4ghz and 5ghz)
Concurrent Clients	100+
Network Interfaces	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
Auxiliary Ports	1x Reset Pinhole, 1x Kensington lock
Mounting	Indoor wall mount, kits included
LEDs	1x 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 PSE max output: Total 12W power budget for LAN2/LAN3 Maximum Power Consumption: 6.5W (Excluding PoE Output)
Environmental	Operation: 0°C to 45°C Storage: -10°C to 60°C Humidity: 10% to 90% Non-condensing
Physical	Unit Dimension: 35 x 115 x 30mm; Unit Weight: 215g Entire Package Dimension: 171 x 140 x 33mm; Entire Package Weight: 295g
Package Content	GWN7603 AP, Mounting Kits, Quick Installation Guide
Compliance	FCC, CE, RCM, IC

Translations

[English](#)

[French](#)

[German](#)

[Italian](#)

[Polish](#)

[Portuguese](#)

[Russian](#)

[Spanish](#)

802.11ac Wave-2 Wi-Fi Access Point

Social Graphics

Use the editable template to customize your own social image by adding your logo, or create your own using the elements provided below. Photoshop files as well as PNGs are provided for each product. For paid social promotion it is recommended to use social images with limited to no text.



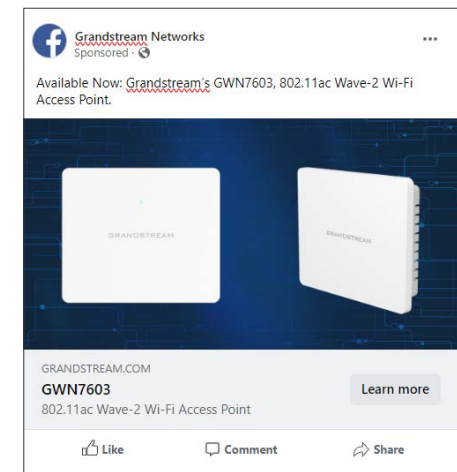
Social Image w/ Text

[GWN7603 \(PSD\)](#)
[GWN7603\(PNG\)](#)



Social Image w/o Text

[GWN7603\(PNG\)](#)



Suggested Social Post Copy

[GWN7603](#)

802.11ac Wave-2 Wi-Fi Access Point

Marketing Assets - GWN7603

Product Images

[GWN7603_1](#)

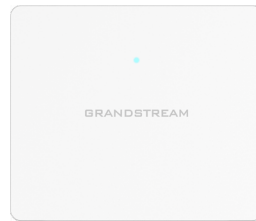
[GWN7603_2](#)

[GWN7603_3](#)

[GWN7603_4](#)

[GWN7603_5](#)

[GWN7603_6](#)



GWN7603_1



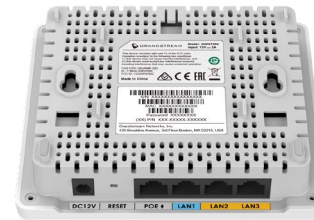
GWN7603_2



GWN7603_3



GWN7603_4



GWN7603_5



GWN7603_6

Feature Icons

[Gigabit](#)

[100 meters](#)

[Devices](#)

[QoS](#)

[PoE](#)

[Embedded Controller](#)



Gigabit



100 Meters



Devices



QoS



PoE



Embedded Controller