

GWN Series

Wi-Fi 6 Solutions



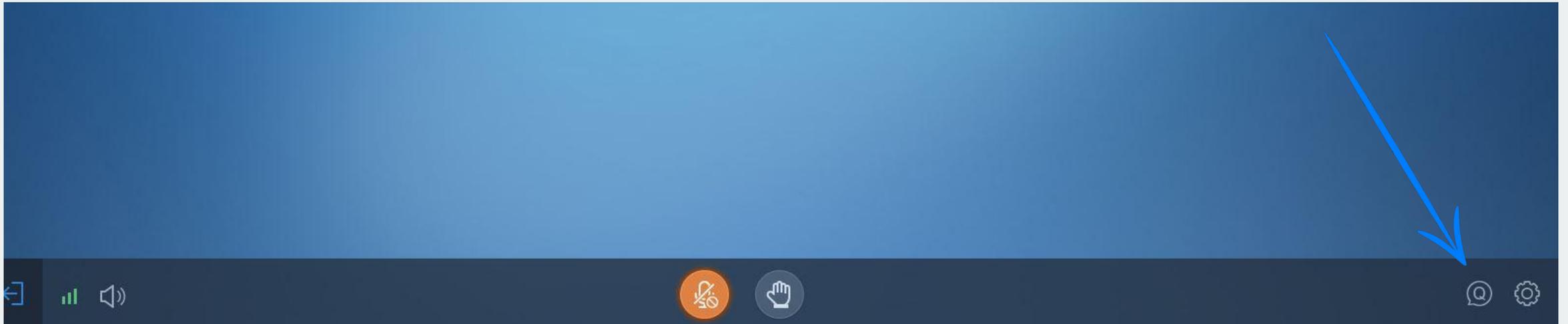
GRANDSTREAM

CONNECTING THE WORLD



**During the webinar please use the Q&A feature
located in bottom right corner of your screen!**

**We will answer the questions at the end of the presentation
Thank you!**



We Are VoIP Supply

Reseller Benefits



Since 2002 VoIP Supply has delivered unparalleled service and expertise to over 125,000 customers worldwide.

VoIP Rental Program

our Device as a Service (DaaS) rental program gives your customers the widest variety of VoIP Products for a low monthly payment!

Hardware & Provisioning

featuring over 60 manufacturers that offer over 16,000 products and the ability to provision for you!

CloudSpan MarketPlace

a single place to shop various VoIP service providers - build up your MRR and receive discounts on hardware selling through VoIP Supply

Fulfillment

provisioning and professional services from multiple warehouse locations in North America; providing real-time access to manage your projects from order through delivery

Refresh & Reclaim

offering certified reconditioned devices at a fraction of the cost plus offering an outlet for selling off used and excess VoIP equipment

GWN SERIES

Networking Solutions

Our fastest-growing product line, the GWN Series allows you to build powerful and secure networks with industry-leading setup, performance and management. It includes a full portfolio of APs and 3 free management options, with approximately 15 new products coming in 2022.

GWN.CLOUD



GWN SERIES WIFI SOLUTIONS

3 Free Management Options



1. GWN.Cloud
2. GWN Manager
3. Built-in Controller

Easy Installation



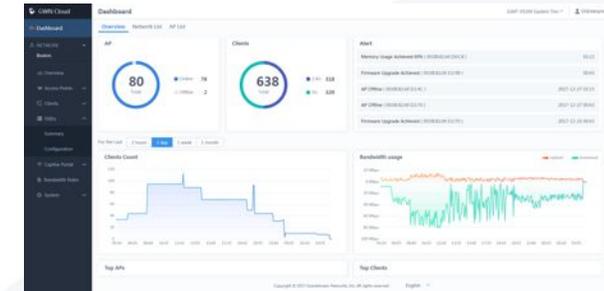
Barcode scan

Powerful APs



Full portfolio of indoor, outdoor and long-range WiFi APs

Real-time Monitoring, Alerts & Reports



Available on all APs and management options





GWN SERIES ACCESS POINTS

Indoor APs



GWN7630



GWN7615



GWN7605



GWN7602



GWN7660

NEW



GWN7664

NEW



GWN SERIES ACCESS POINTS

Long-Range & Outdoor APs



GWN7605LR



GWN7630LR



GWN7660LR

(WEATHERPROOF LONG-RANGE)

Wi-Fi 6 - ACCESS POINTS

GWN Series



Wi-Fi CERTIFIED products have undergone rigorous testing. When a product passes the tests successfully, the manufacturer can use the Wi-Fi CERTIFIED logo.

Certification means that a product has been tested in numerous configurations with a diverse sample of other devices to validate interoperability with other CERTIFIED Wi-Fi equipment operating in the same frequency band.



GRANDSTREAM IN THE WI-FI ALLIANCE

Wi-Fi 6 Access Points



Wi-Fi Alliance® is the worldwide network of companies bringing you Wi-Fi®, one of the world's most valued communications technologies. Our vision is to connect everyone and everything, everywhere.

Wi-Fi Alliance drives global Wi-Fi adoption and evolution through thought leadership, spectrum advocacy, and industry-wide collaboration.

GRANDSTREAM

CONNECTING THE WORLD

Wi-Fi 6 - ACCESS POINTS

GWN Series

Why should I choose Wi-Fi 6?

The interest in Wi-Fi 6 is a **global improvement** that users will experience in increasingly common situations where **many devices are connected to the same network**.

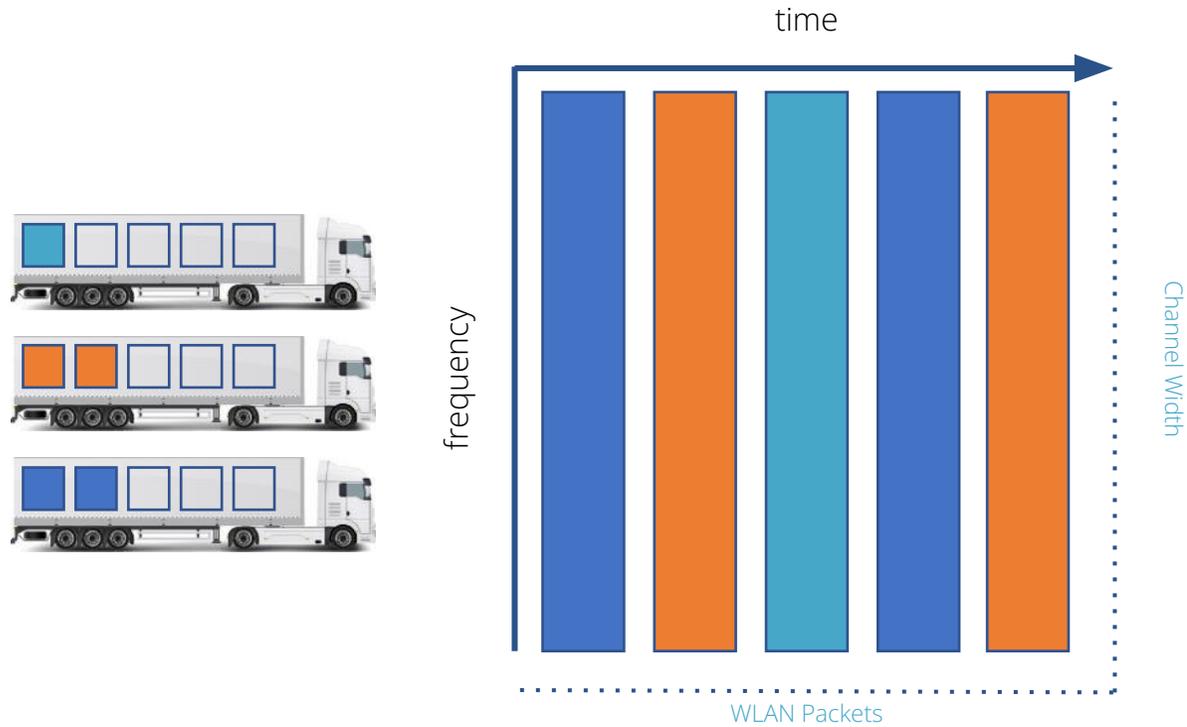
There will also be an improvement in lower latency and security.



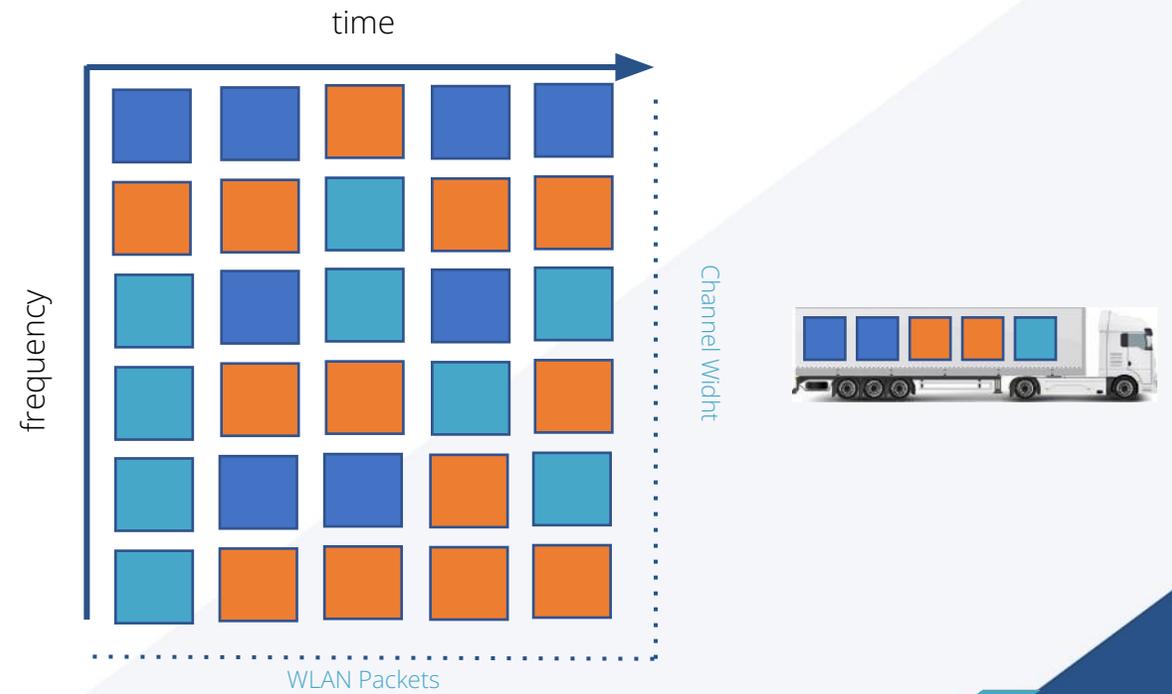
Wi-Fi 6 - ACCESS POINTS

OFDMA – Maximizing Transmission Efficiency

Wi-Fi 5

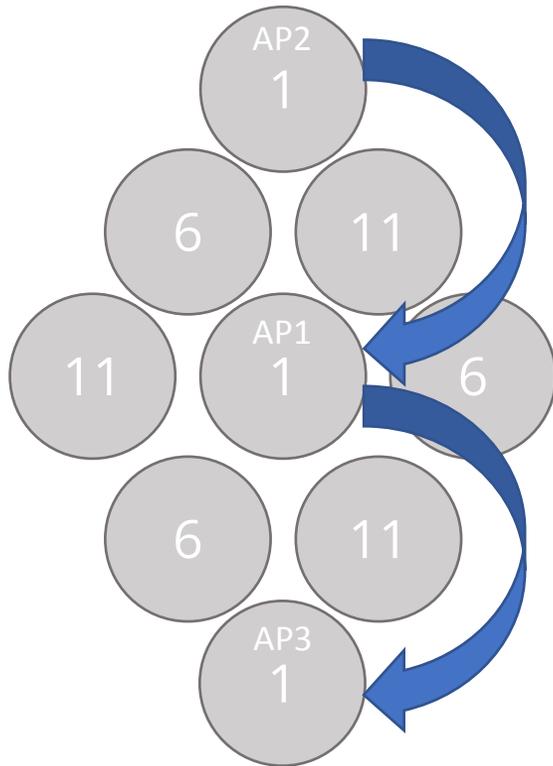


Wi-Fi 6

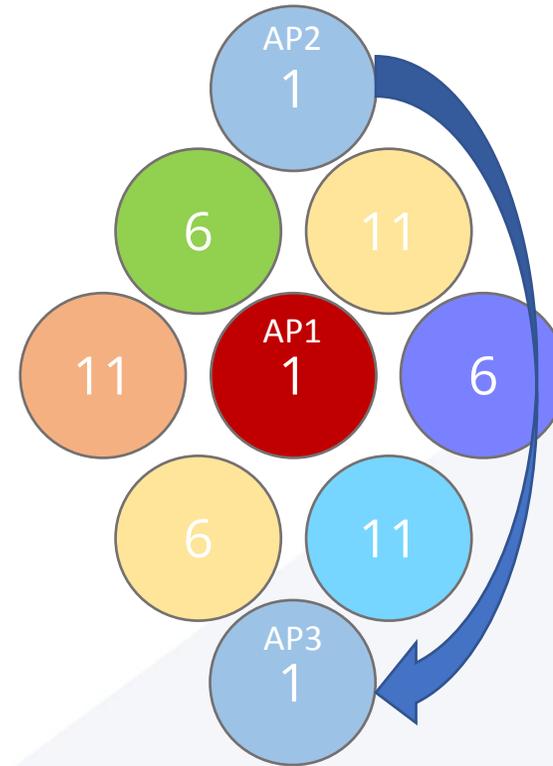


Wi-Fi 6 - ACCESS POINTS

BSS Coloring – Reducing Channel Overlap Problems



Without BSS Coloring



With BSS Coloring



GWN7660



WiFi 6TM
CERTIFIED

GWN7664

NEW



GWN7660LR *NEW*



GWN7660 – 2x2:2 ACCESS POINT

Wi-Fi 6 – GWN Series

- **2x2:2 MU-MIMO**
- Wireless throughput of **1.77 Gbps**
- Coverage range of up to **175 meters**
- Supports up to **256 concurrent clients**
- **DL/UL OFDMA and MU-MIMO** technologies
- **Advanced QoS** to ensure real-time performance of low latency applications
- **Enterprise-grade** security features
- **3 free management options** – cloud, software & embedded



GWN7660 – 2x2:2 ACCESS POINT

Wi-Fi 6 – GWN Series

Dual-Band Wi-Fi - 802.11ax



2.4 GHz
Up to 573.5 Mbps

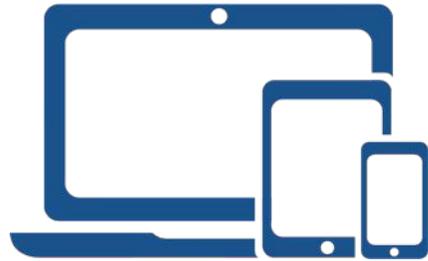
5 GHz
Up to 1201 Mbps

**Total Wireless
Throughput**
1.77 Gbps



GWN7660 – 2x2:2 ACCESS POINT

Wi-Fi 6 – GWN Series



**256 Concurrent
Wi-Fi Devices**

Thanks to Wi-Fi 6 technology, the GWN7660 can handle a high number of concurrent devices without sacrificing performance



GWN7664 – 4x4:4 ACCESS POINT

Wi-Fi 6 – GWN Series

- **3.55 Gbps** aggregate wireless throughput
- **4x4:4 MU-MIMO**
- Supports up to **750 concurrent clients**
- **2.5G + 1G network ports**
- Coverage range of up to **175 meters**
- **DL/UL OFDMA and MU-MIMO** technologies
- **Advanced QoS** to ensure real-time performance of low latency applications
- **3 free management options** – cloud, software & embedded



GWN7664 – 4x4:4 ACCESS POINT

Wi-Fi 6 – GWN Series

802.11ax
Dual-Band



2.4 GHz
Up to **1.147 Gbps**

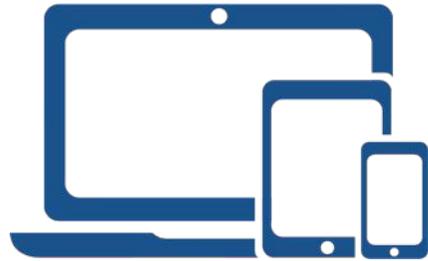
5 GHz
Up to **2.4 Gbps**

Total Wireless Throughput
3.55 Gbps



GWN7664 – 4x4:4 ACCESS POINT

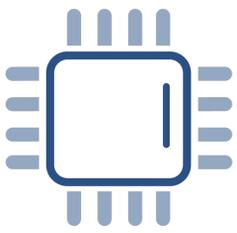
Wi-Fi 6 – GWN Series



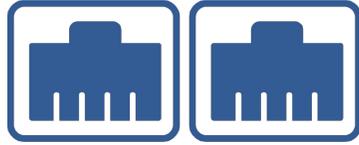
**512 Concurrent
Wi-Fi Devices**

Thanks to Wi-Fi 6 technology, the GWN7664 is able to handle a high number of concurrent devices without sacrificing performance.





Qualcomm vs. MTK



2.5G + 1G port



Full Scale Wi-Fi 6



Full Scale 4x4



Double 2.4GHz

	 GWN7664	 Unifi U6 LR	 Unifi U6 Pro
Wi-Fi 6	Dual-Band Wi-Fi 6	2.4GHz band: Wi-Fi 4 5GHz band: Wi-Fi 6	Dual-Band Wi-Fi 6
Supported Clients	750+	300	300
Network Interfaces	1x 2.5G Port and 1x 1G Port	1x 1G Port	1x 1G Port
2.4GHz Throughput	1.147Gbps	600Mbps	573.5Mbps
5GHz Throughput	2.4Gbps	2.4Gbps	4.8Gbps
Wireless Throughput	3.547Gbps	3Gbps	5.3Gbps
MU-MIMO	4x4:4 on both bands	4x4:4 on both bands	2.4GHz: 2x2:2 5GHz: 4x4:4
Wireless 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	WPA-PSK, WPA-Enterprise (WPA/WPA2/WPA3)	WPA-PSK, WPA-Enterprise (WPA/WPA2/WPA3)
SSIDs	32 total, 16 per radio	16 total, 8 per radio	16 total, 8 per radio
Management	3 free options: cloud-based (GWN.Cloud), software-based (GWN.Manager) and embedded	Requires paid management (must buy Unifi controller; cloud controller limited without paid upgrade)	Requires paid management (must buy Unifi controller; cloud controller limited without paid upgrade)

GWN7660LR – 2X2:2 OUTDOOR AP

Wi-Fi 6 – GWN Series

- **1.77 Gbps** aggregate wireless throughput
- **2 Gigabit** Ethernet Ports
- **DL/UL OFDMA and MU-MIMO** technologies
- Coverage range of up to **250 meters**
- **Advanced QoS** to ensure real-time performance of low latency applications
- Flexibility of **2 detachable/changeable** antennas for different application scenarios
- Embedded controller can manage up to 50 local GWN series APs; **GWN.Cloud** offers unlimited AP management; **GWN Manager** offers premise-based software controller



GWN7660LR – 2X2:2 OUTDOOR ACCESS POINT

Wi-Fi 6 – GWN Series

Dual-Band Wi-Fi - 802.11ax



2.4 GHz

8 Mbps up to **573.5 Mbps**

5 GHz

8 Mbps up to **1201 Mbps**

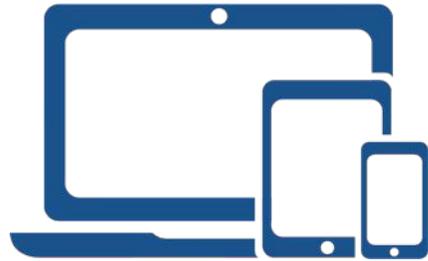
**Total Wireless
Throughput**

1.77 Gbps



GWN7660LR – 2X2:2 OUTDOOR ACCESS POINT

Wi-Fi 6 – GWN Series



**256+ Concurrent
Wi-Fi Devices**

Thanks to Wi-Fi 6 technology, the GWN7660LR is able to handle a high number of concurrent devices without sacrificing performance.



MANAGEMENT OPTIONS – GWN SERIES

EMBEDDED

- NO ADDITIONAL COST
- DEPENDS ON THE MASTER AP
- LOCAL DEPLOYMENT

GWN.CLOUD

- FREE TO USE
- CLOUD BASED PLATFORM
- NO LIMIT IN THE NUMBER OF APs

GWN MANAGER

- FREE DOWNLOAD
- UP TO 3,000 APs
- LOCAL SERVER DEPLOYMENT

The various management options that Grandstream makes available to its customers are **constantly evolving** to offer the best functions and features no matter what the choice is.



**COMING
IN 2022**



**COMING
SOON**



GWN7664LR



COMING IN 2022 NEW ROUTERS

WiFi 6™
CERTIFIED



**COMING
IN 2022
PTP**

**WiFi 6™
CERTIFIED**



**COMING
IN LATE 2022**

PoE Switches



**COMING
IN 2022**

Wi-Fi Cordless IP Phones



WIFI COMMUNICATION SOLUTIONS



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Thank You!



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CONNECTING THE WORLD