

GWN7625 - Sales Kit

Overview and Basics



About the GWN7625

The GWN7625 is an 802.11ac Wave-2 Wi-Fi access point ideal for small-to-medium sized businesses, home offices, retail shops, restaurants and more. It offers 4x4:4 MU-MIMO technology on the 5G band and 2x2:2 MU-MIMO on the 2.4G band as well as a sophisticated antenna design for maximum network throughput and expanded Wi-Fi coverage range.

Product Positioning

With support for advanced QoS, low-latency real-time applications, mesh networks, captive portals, 200+ concurrent clients per AP and dual Gigabit network ports with PoE/PoE+, the GWN7625 is the ideal Wi-Fi access point for medium wireless network deployments with medium user density.



Supports 200+ concurrent Wi-Fi client devices



Up to 175 meter coverage range



Self power adaptation upon auto-detection of PoE or PoE+

Competitive Features

- 2.03Gbps aggregate wireless throughput and 2xGigabit wireline ports
- 5G band 4x4:4 MU-MIMO and 2.4G band 2x2:2 MU-MIMO technology
- Supports 200+ concurrent Wi-Fi client devices
- Up to 175-meter coverage range
- Self power adaptation upon auto-detection of PoE/PoE+
- Anti-hacking secure boot and critical data/control lockdown via digital signatures
- Embedded controller can manage up to 30 local GWN series APs; GWN.Cloud offers unlimited AP management; GWN.Manager offers premise-based software controller

GWN7625 Key Technical Specifications

Wi-Fi Standards	IEEE 802.11 a/b/g/n/ac (Wave-2)
Antennas	6 single frequency internal antennas 2.4GHz: gain 3.5dBi, 5 GHz: gain 4.5dBi
Frequency Bands	2.4GHz radio: 2412 - 2484 GHz / 5GHz radio: 5180 - 5825 GHz
Coverage Range	Up to 175 meters <small>*coverage range can vary based on environment</small>
Wi-Fi and System Security	WEP, WPA/WPA2-PSK, WPA/WPA2 Enterprise, anti-hacking secure boot and critical data/control lockdown via digital signatures, unique security certificate and random default password per device
Concurrent Clients	200+
Network Interfaces	2 x autosensing 10/100/1000 Base-T Ethernet Ports

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Competitive Differentiators

Affordable and Powerful

The GWN7625 is a competitive Wi-Fi device that was designed for a low price point with high performance, perfect for more cost-sensitive and mid-volume Wi-Fi deployments like cafes, lecture halls, and offices.

- **Retail Price = ~\$99:** Competitive models of similar capabilities priced ~\$130
- **Market Leading Wi-Fi Standards:** Wave-2 IEEE 802.11a/b/g/n/ac standards, this supports past, present, and future Wi-Fi devices
- **Greater Performance for Less Money:** 200+ concurrent devices, 165-meter coverage range, 2.02Gbps aggregate dual-band throughput

Network Management

Choose between three ways to manage your wireless network with the GWN7625.

- **GWN.Cloud:** Grandstream's cloud-based Wi-Fi access point management platform. Configure, manage, and troubleshoot unlimited wireless deployments entirely from the cloud
- **GWN Manager:** For deployments with higher security standards, the GWN Manager is a premise-based version of the GWN.Cloud
- **Built-in Controller:** The GWN7625 can manage up to 30 local GWN series access points



Advanced Features

The GWN7625 comes equipped with the advanced performance-boosting features of our GWN access points.

- **Beamforming Technology:** AP detects wireless clients and focus signals towards them
- **Multiple Customized SSIDs:** Up to 16 SSID channels with customized client configurations, captive portal, and bandwidth limits
- **QoS Standards:** Prioritizes certain network traffic/devices so critical tasks don't compete for bandwidth, can be customized based on deployment
- **Captive Portals:** Wi-Fi clients attempting to access an SSID can be led to a customized landing with login features such as voucher authentication, password, social login, and more










Client Configuration

The way wireless clients access the internet through a GWN7625 can be highly customized based on AP or SSID.

- **Blacklist:** Prevents specific MAC addresses from connecting
- **Connection Time:** Enforce timeout of a connection and requires renewal
- **Wireless Client Limit:** Puts a cap on the maximum amount of wireless clients that can be connected to an SSID at a single time
- **Bandwidth Rules:** A variety of rules that restrict the bandwidth usage of client devices

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Grandstream Comparison

Specifications	Indoor Wi-Fi Access Points						
Model	 GWN7602	 GWN7605	 GWN7615	 GWN7625	 GWN7630	 GWN7660	 GWN7664
Client Devices	Up to 80	100+	200+	200+	200+	250+	Up to 750
Range	Up to 100 Meters	Up to 165 Meters	Up to 175 Meters	Up to 165 Meters	Up to 175 Meters	Up to 175 Meters	Up to 175 Meters
Network Interfaces	1x 10/100/1000M uplink Ethernet port with PoE/PoE+ 2x 10/100M Ethernet port with PSE 1x 10/100M Ethernet port	2 x autosensing 10/100/1000 Base-T Ethernet Ports	2x autosensing 10/100/1000 Base-T Ethernet Ports	2x autosensing 10/100/1000 Base-T Ethernet Ports	2x autosensing 10/100/1000 Base-T Ethernet Ports	2x autosensing 10/100/1000 Base-T Ethernet Ports	1x 1G Port and 1 x 2.5G Port
PoE/PoE+	Supports 802.3 az; PoE 802.3af/ 802.3at PSE max output per port: 6W; Max Consumption: 20W	Supports PoE 802.3af/ 802.3at Max Consumption: 10.16W	Supports PoE 802.3af/802.3at; Max consumption: 12.5W	Supports PoE 802.3af/802.3at; Max consumption: 13W	Supports PoE 802.3af/ 802.3at; Max Consumption: 16.5W	Supports PoE 802.3af/ 802.3at; Max Consumption: 9W	Supports PoE 802.3af/802.3at; Max Consumption: 17w
2.4G Throughput	300Mbps (2x2:2 MIMO)	300Mbps (2x2:2 MIMO)	450Mbps (3x3:3 MIMO)	300Mbps (2x2:2 MIMO)	600Mbps (4x4:4 MIMO)	573.5Mbps (2x2:2 MIMO)	1147Mbps (4x4:4 MIMO)
5G Throughput	867Mbps (2x2:2 MIMO)	867Mbps (2x2:2 MU-MIMO)	1300Mbps (3x3:3 MU-MIMO)	1733Mbps (4x4:4 MU-MIMO)	1733Mbps (4x4:4 MU-MIMO)	1201Mbps (2x2:2 MU-MIMO)	2400Mbps (4x4:4 MU-MIMO)
Wi-Fi Standards	IEEE 802.11a/b/g/n/ac	IEEE 802.11a/b/g/n/ac (Wave-2)	IEEE 802.11a/b/g/n/ac (Wave-2)	IEEE 802.11a/b/g/n/ac (Wave-2)	IEEE 802.11 a/b/g/n/ac (Wave-2)	IEEE 802.11 a/b/g/n/ac/ax	IEEE 802.11 a/b/g/n/ac/ax
SSIDs	8 SSIDs total, 4 per radio (2.4Ghz and 5Ghz)	16 SSIDs total, 8 per radio (2.4Ghz and 5Ghz)	32 SSIDs total, 16 per radio (2.4Ghz and 5Ghz)	16 SSIDs total, 8 per radio (2.4Ghz and 5Ghz)	32 SSIDs total, 16 per radio (2.4Ghz and 5Ghz)	32 SSIDs total, 16 per radio (2.4Ghz and 5Ghz)	32 SSIDs total, 16 per radio (2.4 Ghz and 5Ghz)
Network Management	GWN.Cloud GWN Manager	GWN.Cloud GWN Manager Embedded Controller	GWN.Cloud GWN Manager Embedded Controller	GWN.Cloud GWN Manager Embedded Controller	GWN.Cloud GWN Manager Embedded Controller	GWN.Cloud GWN Manager Embedded Controller	GWN.Cloud GWN Manager Embedded Controller
Antennas	2 dual band internal antennas	2 dual band internal antennas	3 dual band internal antennas	6 single frequency internal antennas	4 dual band internal antennas	2 dual band internal antennas	8 individual internal antennas, 4 per band
Wi-Fi & System Security	WEP, WPA/WPA2-PSK, WPA/WPA2 Enterprise, anti-hacking secure boot and critical data/control lockdown via digital signatures	WEP, WPA/WPA2-PSK, WPA/WPA2 Enterprise (TKIP/AES), WPA3, anti-hacking secure boot and critical data/control lockdown via digital signatures	WEP, WPA/WPA2-PSK, WPA/WPA2 Enterprise, WPA3, anti-hacking secure boot and critical data/control lockdown via digital signatures	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	WEP, WPA/WPA2-PSK, WPA/WPA2 Enterprise, WPA3, anti-hacking secure boot and critical data/control lockdown via digital signatures	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	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
Dimensions	135x115x30mm	180.4x180.4x40.8mm	205.4x205.4x45.9mm	205.3x205.3x45.9mm	205.3x205.3x45.9mm	180.4x180.4x40.8mm	205.3x205.3x405.9mm
Mounting	Wall Mountable	Indoor wall mount or ceiling mount	Indoor wall mount or ceiling mount	Indoor wall mount or ceiling mount, kits included	Indoor wall mount or ceiling mount	Indoor wall mount or ceiling mount, kits included	Indoor wall mount or ceiling mount, kits included

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Deployment Scenarios

Offices

Medium and large offices can utilize the GWN7625 to create a mobile working environment for employees.

- Affordable price and powerful features provides a cost-effective solution for company Wi-Fi
- Onsite IT teams can easily manage, configure, and troubleshoot Wi-Fi network on their own
- QoS standards can organize the many different devices competing for bandwidth, limiting background usage and prioritizing Wi-Fi voice and video usage

Commercial Shops

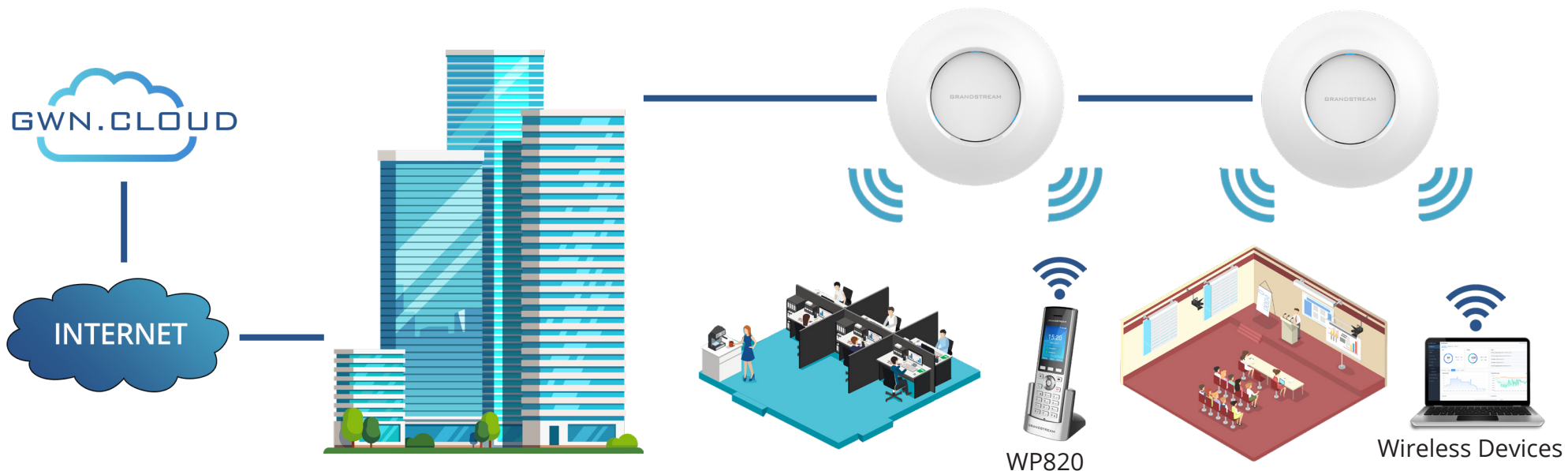
Commercial stores can use the GWN7625 to create Wi-Fi environments for both guests and staff.

- Multiple network SSIDs and client configuration can be used to create dedicated networks for staff and guests
- Captive portals can be used to secure public Wi-Fi channels
- Affordable, mid-to-high wireless client support perfect for higher-traffic service stores such as cafes

Education

Within less-demanding lower education environments, the GWN7625 can help both staff and students.

- Client configuration allows students to only access Wi-Fi during specific times, through certain access points, or with whitelisted devices
- Wi-Fi network can easily be adjusted for year-to-year needs as student levels fluctuate
- Cost-effective solution for public schools that require cutting-edge Wi-Fi technology for new education strategies



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Grandstream Product Integration

Cordless Wi-Fi Phones

- QoS standards can prioritize voice traffic through the GWN7625 access point, maintaining a high level of quality for many devices
- GWNs auto-recognizes Grandstream WP800 series wireless handsets and automatically share security authentications across the network, creating a seamless roaming experience



Desktop Endpoints

- Grandstream has a variety of Wi-Fi enabled desktop phones, deploying these devices will allow for less costly ethernet cabling and a less complicated infrastructure
- QoS standards will keep a high-quality experience, whether video conferencing on Grandstream multi-media video-phones or calling on one the GRP series of carrier-grade IP phones



Wi-Fi Access Point Management

- Both Grandstream cloud-based AP management platform, GWN.Cloud, and on-premise software management platform, GWN Manager, are able to add, configure, and monitor the GWN7625 within a GWN wireless network
- The GWN7625 is compatible with all other GWN series access points within Grandstream's portfolio, allowing it to actively manage up to 30 other GWN access points



Intercoms and Paging

- Grandstream's GSC series of intercom and paging devices are Wi-Fi capable so any and all pages and intercom calls can be executed over the wireless network, reducing cost and infrastructure management
- The GWN7625 is also equipped with dual gigabit networking ports that can provide an ethernet connection to a nearby ceiling mounted GSC series device if a wired connection is needed

