

GWN Series Routers - Sales Kit

Overview and Basics



About the GWN Series Routers

The GWN Series Routers are comprised of the GWN7052(F) and GWN7062 dual-band Wi-Fi routers. These routers support a secure and robust connection that is perfect for residential and small office deployments. Both routers support 2x2:2 MU-MIMO technology, while the GWN7062 is powered by 802.11ax Wi-Fi 6 technology, which enables additional capabilities such as DL/UL OFDMA. The routers within the series support mesh networking with Grandstream Wi-Fi access points, comprehensive security features, and secure cloud provisioning through GWN.Cloud*. *Full GWN.Cloud integration pending December firmware update, currently only GUI access is available.*

Product Positioning

The GWN Series Routers are an ideal choice for installers deploying into a residential complex or small office, or for ISP mass deployment. Supporting features such as speeds up to 1.77 Gbps, built-in VPN support, 2x2:2 MU-MIMO, and rich firewall features, this series of routers are a competitive choice.



2x2:2 MU-MIMO



Built-in VPN Support



GUI Access via GWN.Cloud

Competitive Features

- Up to 1.77 Gbps speed, Wi-Fi 6 support on the GWN7062
- Dual-band 2x2:2 MU-MIMO with support for up to 256 wireless client devices
- Built-in VPN support for easy access to corporate networks for remote employees
- Rich firewall features including Anti-DoS, traffic rules, NAT, and ALG
- Supports Mesh networking with Grandstream access points for easy Wi-Fi expansion
- Secure cloud provisioning through GWN.Cloud* *pending*

GWN Routers Key Technical Specifications

Model	GWN7052/F	GWN7062
Wi-Fi Bandwidth	1.27Gbps aggregate wireless throughput	1.77 Gbps aggregate wireless throughput
Wi-Fi Standards	IEEE 802.11 a/b/g/n/ac	IEEE 802.11 a/b/g/n/ac/ax
Memory and NAT Sessions	GWN7052: 128 MB RAM, 30K NAT sessions GWN7052F: 256 MB RAM, 60K NAT sessions	512MB RAM, 120K NAT Sessions
Concurrent Clients	100 wireless client devices	256 wireless client devices
Network Interface	GWN7052: 1x Gigabit WAN port, 4x Gigabit LAN ports GWN7052F: 1x Gigabit SFP WAN port, 1x Gigabit Ethernet port (WAN/LAN configurable), 3x Gigabit LAN ports	1x Gigabit WAN port, 1x Gigabit Ethernet port (WAN/LAN configurable), 3x Gigabit LAN ports
VPN	Yes	Yes
Cloud GUI Access	Yes	Yes

GWN Series Routers

Competitive Differentiators

Superior Price-Per-Feature

For residential and small business routers, Grandstream's GWN7052(F) and GWN7062 are designed to provide a wide range of powerful features at a competitive price point. Making sure these devices both win bids and impress clients.

- **High Performance:** Up to 1.77 Gbps throughput, 256 concurrent devices, and Wi-Fi 6 technology on the GWN7062
- **Backend Features:** Built-in VPN support for easy access to corporate networks, rich firewall options, secure cloud provisioning, and Mesh networking

Provisioning and Management

The GWN7052(F) and GWN7062 support a variety of configuration and management options for both the routers and Grandstream's GWN Wi-Fi Access Points.

- **GWN.Cloud:** Configure, manage, and troubleshoot unlimited wireless deployments entirely from the cloud with this free management service*. *Full GWN.Cloud integration pending December firmware update, currently only GUI access is available.*
- **Built-in Controller:** The GWN Series Routers support a built-in controller embedded into the devices' web user interface, allowing it to manage Grandstream Wi-Fi access points



Connectivity Focused

The GWN Series Routers come equipped with various features and capabilities that keep connections quick and seamless.

- **UL/DL OFDMA:** The GWN7062 supports the 801.11ax standard to better perform in environments that have multiple Wi-Fi devices with varying bandwidth demands
- **Network Interfaces:** Clients can connect via the device's Wi-Fi or 4+ WAN/LAN network interfaces based on model
- **Multiple Customized SSIDs:** Up to 32 SSID channels with customized client configurations, captive portal, and bandwidth limits
- **Built-in VPN:** For small office deployments that need to connect to a central office or remote work deployments, a built-in VPN streamlines what could be difficult deployment requirements



Easy Client Configuration

The way wireless clients access the internet through a GWN router can be highly customized based on the device 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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Deployment Scenarios

Residential & ISP

The most common deployment scenario for the GWN7052(F) and GWN7062 are for residential use, whether it is for a home office or deployed in luxury residential complexes

- The affordable design coupled with performance-driving features allows ISPs and installers to deploy these devices in larger multi-unit complexes
- 2x2:2 MU-MIMO and up to 1.77Gbps throughput supports quick connection speeds for various Wi-Fi capable and LAN-wired devices

Small Offices

Small offices and branch offices that require an effective router for their business needs can look to the GWN7052(F) and GWN7062 to support their business operations

- The built-in VPN allows for a branch office to easily connect to a corporate network so users can access corporate servers, services, IT platforms, and more
- Secure cloud provisioning through GWN.Cloud* *pending* allows remote IT teams to configure, manage, and troubleshoot networks without needing to be on-site

Hospitality

Hotels can take advantage of the GWN series of routers to equip business centers and meeting rooms with high-performance connections

- 4+ ports for business conferencing equipment, printers, IP phones, smart televisions, and more
- Support for up to 256 concurrent wireless client devices can keep connectivity in high user density locations such as meeting and presentation rooms
- Mesh networking with Grandstream access points helps create a responsive Wi-Fi environment



GWN Series Routers

Grandstream Product Integration

Cordless Wi-Fi Phones

- The GWN7062's Wi-Fi 6 MU-MIMO and UL/DL OFDMA create a wireless environment that can simultaneously serve both Wi-Fi voice devices and typical wireless workstations
- All GWN series devices auto-recognize 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 streamlined infrastructure
- QoS standards will keep a high-quality experience, whether video conferencing on Grandstream multi-media video phones or calling on one of the GRP series of carrier-grade IP phones



Configuration and Management

- Grandstream's GWN routers can be entirely configured and managed from the cloud by using our free GWN.Cloud service, which supports both our Wi-Fi access point and routers*. *Full GWN. Cloud integration pending December firmware update, currently only GUI access is available.*
- GWN routers support a built-in controller for Grandstream's GWN Wi-Fi access points. In situations where GWN. Cloud cannot be used, a single router can support a small Wi-Fi network deployment



Wi-Fi Access Points

- Both routers within the GWN series support Mesh networking with Grandstream Wi-Fi access points, allowing for easy network expansion that provides a consistent network connection throughout a residence or small office

