



## Grandstream WiFi Voice & Video Solutions



## WiFi Voice and Video

WiFi Voice extends access to SIP or VoIP networks through WiFi, rather than through hard-wired connections. There are no special service plans needed as WiFi voice networks utilize the same exact backend SIP services as any wired VoIP network, but with the connections being extended to endpoints wirelessly through a WiFi network. Since the majority of SIP networks can also support video, WiFi voice network deployments can also support video.



## Utilize Immersive WiFi networks

Use existing WiFi networks rather than managing an endless maze of cables



## Office Mobility

Make & receive calls from anywhere WiFi is available - no hard-wired connections



## Streamline Installation & Management

Avoid troublesome & expensive wiring and make deployments as easy as putting a phone on a desk.



## Environmentally Friendly

Cut back on hard infrastructure and strengthen your corporate social responsibility program



## Wireless Offices

Adopt the office of the future and offer unprecedented mobility





## Building WiFi Voice and Video Solutions with Grandstream

Grandstream is one of the only companies in the world that offers everything you need to build powerful WiFi voice and video networks - including WiFi Access Points, cordless, desktop, video and audio conferencing IP phones, WiFi video conferencing devices, a free mobile app and IP PBXs to anchor your network. Keep reading to learn all about Grandstream's WiFi voice and video devices and how to build powerful solutions with them.





## Building WiFi Networks



### GWN7610

175m range  
250 clients  
1.75GBps  
16 SSIDs



### GWN7600

165m range  
450 clients  
1.27GBps  
16 SSIDs



### GWN7600LR

300m range  
450 clients  
1.27GBps  
16 SSIDs

## Managing WiFi Networks



Grandstream offers two powerful yet easy ways to set up, control and manage WiFi networks with the GWN series.

### Embedded Controllers

The GWN series uniquely includes a built-in controller in every AP, accessible through the web user interface. This allows any GWN AP to set up, control and manage up to 50 other APs with no extra hardware or software needed.

### GWN.Cloud

This free cloud WiFi AP management platform offers a centralized interface for managing one or many networks with up to 1000 APs. It includes a free mobile app that allows users to deploy APs by scanning their barcode while also offering mobile management of WiFi networks. It also offers a suite of real-time reports and analytics.



MU-MIMO allows internal antennas to send and receive data at the same time



Web UI features real-time reports and analytics and an embedded controller



Industry-leading security suite including secure boot, critical data/control lockdown, and more



GWN7600LR features IP66 certified weatherproof and tamper-proof casing for all weather usage





## Optimizing WiFi for Voice & Video



GWN series APs are built to support WiFi voice & video by prioritizing such traffic and ensuring seamless roaming.



**QoS** - prioritize voice, video, applications or background traffic.

**WiFi Voice Enterprise** - Provides clients with a list of nearby APs to shorten authentication & roaming.

**PMK Caching and OKC** - Eliminate the need to re-verify and authenticate when roaming to a new AP on the same network to shorten authentication.

## Connecting WiFi & SIP Networks



1. Make sure your APs are on the same network as your on-premise, hosted or cloud PBX
2. Create WiFi network(s) for APs
3. Add WiFi endpoints to WiFi network(s) utilized by APs

## Building Voice and Video Networks



A powerful yet easy to manage voice, video, data, and mobility platform has never been more achievable than when anchored with the UCM series of IP PBXs. The UCM series offer an extensive set of unified communication features in an easy-to-manage on-premise solution with no licensing fees, upgrade fees or costs per features. Whether you need a fully functioning UC manager or a device to manage video, facility access, or security solutions, the UCM series provides an easy-to-manage and powerful solution at an unbelievable price.



Hundreds of customizable voice features, including IVR, call queues, auto-attendants and more



Full SIP video support for video conferencing, calling, security, facility access, and more



Data options include CDR, call queue manager, recording, CRM integration, property management and more



Mobility options include remote management, multiple office peering, mobile phone forwarding, and more

\* GWN series APs can also be integrated with third-party SIP/VoIP services





# Integrating WiFi Voice & Video Endpoints



## WP820 Cordless WiFi IP Phone

The ideal IP phone for WiFi voice, the WP820 offers a portable, cordless model that enables workers to be mobile and roam around any WiFi facility.



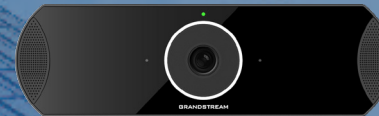
## GAC2500 Audio Conference Phone

This 6-line phone with a built-in conference bridge allows users to make and receive conference calls through WiFi and runs Android to offer web and app access.



## GXV series IP Video Phones

These powerful devices are ideal for those looking for a desktop video calling solution. They offer full access to Android for access to the web and popular Android apps.



## GVC series Video Conferencing Devices

The GVC devices are the most flexible video conferencing devices on the market as they work with any SIP, H.323 or Android conferencing platform. The GVC3210 and GVC3202 support WiFi.



## GXP1760W Desktop WiFi IP Phone

The GXP1760W offers a powerful yet easy-to-use desktop IP phone that can connect to WiFi voice networks.



## Grandstream Wave Softphone App

This free Android and iOS app allows mobile devices to make and receive SIP calls through WiFi networks, turning any mobile device into a SIP voice and video phone.







## WiFi Facility Access Solutions



By adding a GDS series device to a SIP network, you can create a wireless facility access and intercom solution. GDS series devices make and receive SIP voice and video (GDS3710) calls through the network with any extension to create an intercom, while all Grandstream IP phones can open doors connected to a GDS series device. When combining the GDS3710 with Grandstream's video-enabled endpoints (including WP820 and GXP2100 series), a streaming video intercom can be achieved. The WP820 cordless WiFi IP Phone can control facility access and create a video intercom through WiFi.

## WiFi Voice & Video Deployment Examples



### Offices & Enterprises

Allow employees to work from anywhere, implement wireless offices and streamline setup & management.



### Warehouses

Easily cover an entire warehouse and equip roaming workers with the ability to make/receive calls.



### Hospitality

Communicate from all corners of these large properties and streamline setup and management.



### Education

Increase security and communication by allowing administrators to be reached and control access from anywhere.



### Medical

Increase communication and mobility by utilizing existing WiFi networks while streamlining management.