

# Mobility Solutions Guide



Grandstream's mobility solutions allow businesses to be more productive than ever before. Our portfolio of products helps businesses of any size to increase efficiency by mobilizing their network. With the release of a new generation of DECT IP phones and our WP820 cordless Wi-Fi IP phone paired with Grandstream Access Points creates a powerful and unified mobile network solution.



### DECT Series

The DECT series of cordless IP phones allow users to mobilize their VoIP network throughout any business, warehouse, retail store and residential environment. The series is supported by Grandstream's DP750 and DP752 DECT VoIP base stations and delivers a combination of mobility and top-notch telephony performance.



### GWN series of Wi-Fi Access Points

Grandstream's powerful Wi-Fi Access Points offer high performance networking, tremendous Wi-Fi coverage range, fast and easy provisioning/management, outstanding network throughput and support for a large number of clients per AP. Our APs can be paired with 3rd party routers, Grandstream routers as well as existing Wi-Fi networks, making them ideal for both new and existing Wi-Fi deployments.



### Wi-Fi Cordless IP Phone

Our Cordless Wi-Fi IP phones is a portable Wi-Fi phone designed to suit a variety of enterprises and vertical market applications. It offers a powerful combination of features, mobility and durability to suit all portable telephony needs. Pair with Grandstream Wi-Fi access points for a powerful mobility solution.

# Getting Started

Before you make any decisions about deploying a Grandstream mobility solution, you need to consider what you want to accomplish, how you will execute, and how this solution can improve your business.



## **DISCOVER**

Learn all about what products and features Grandstream offers to build a mobility solution that works for a specific business' needs. Use the guide to gain in depth knowledge of what each product does, how it works, and what features your client can benefit from.



## **PLAN**

Making a plan will be the most important step in deploying a mobility solution with Grandstream. Consider how big of a space you need to cater to, the number of employees or staff that would be utilizing the solution, your clients budget, and the support you may need.



## **EXECUTE**

Once you have a plan, it is time to install the solution. Ensure that you have all the products needed for the deployment and have surveyed your customer's site to strategically set up the deployment. This way you can guarantee that their users receive full network and endpoint coverage no matter where they are in the workplace.



## **IMPROVE**

When the solution is successfully set up your client's business will notice improvements over time including workplace functionality, improvement, cost savings, speed of response, coverage, and easy network management. See more detail in the next slide on key benefits to implementing a Grandstream mobility solution.



# Key Benefits to Implementing a Grandstream Mobility Solution

Functionality - Improve workplace functionality by eliminating cords, improve roaming capabilities, and long-range coverage

Speed of Response- Increase response time utilizing key features such as Push-To-Talk function, allowing workers to communicate while moving throughout the business



Coverage- Grandstream provides long range coverage on the DECT series, Wi-Fi cordless phone, and Wi-Fi access points allowing workers to roam far while staying connected

Network Management - Thanks to the GWN.Cloud and the Grandstream Device Management System (GDMS) our mobility solutions can be managed through these cloud platforms

Cost Savings- Moving towards a mobility solution can be a beneficial and more affordable compared to situations where Ethernet cables can be expensive

Communication- Whether workers are remote or on-site using a mobile solution improves the communication and connection between the business and its employees

# DECT vs. Wi-Fi

See the pros and cons of going with a DECT vs. a Wi-Fi cordless mobility solution. Both can be deployed to fit the individual needs of a business. Whether its big or small space, it all depends on what types of employees and settings you need to cater to.



## DECT

PROs	CONs
<ul style="list-style-type: none"><li>• Reliable Technology designed for voice applications</li><li>• Easy to extend range using signal repeaters and multi-cell systems</li><li>• Affordable for a small to medium sized deployment scenario</li></ul>	<ul style="list-style-type: none"><li>• Large, multi-cell systems can run expensive with purchase of base station and repeaters</li><li>• Management of multi-cell system</li></ul>

### Ideal Deployment

Small to medium sized offices and environments. Could be paired with traditional desk phones for increased mobility.

Example Scenarios: Small offices, retail, restaurants, private medical practices, classrooms



## Wi-Fi

PROs	CONs
<ul style="list-style-type: none"><li>• Inexpensive due to most deployment settings already having a Wi-Fi network</li><li>• Can be used in any Wi-Fi network and is compatible with Grandstream Wi-Fi access points</li></ul>	<ul style="list-style-type: none"><li>• Some Wi-Fi networks are not always reliable</li><li>• Packet based technology designed for data communication</li><li>• QoS Standards are getting better but not all the way there yet</li></ul>

### Ideal Deployment

Medium to large sized environments where users are not always attached to a desk.

Example Scenarios: Large offices, hospitals, colleges and universities, warehouses, traveling sales people

# DECT series of Cordless IP Phones



**DP720**

- » Supports up to 10 SIP accounts per handset
- » 5 DP720 handsets are supported by each base station
- » Full HD audio on both the speaker phone and handset
- » 3.5mm headset jack, 3-way voice conferencing
- » User friendly built-in provisioning controller
- » Automated provisioning options include TR-069 and XML config files
- » DECT authentication & encryption technology to protect calls and account
- » Supports 300 meters outdoors and 50 meters indoors with the DP750 and DP752 base station



**DP722**

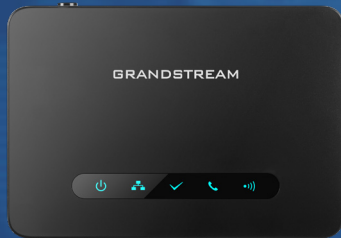
- » 1.8 inch (128x160) color LCD with 2 programmable soft keys
- » Offers 20 hours talk time and 250 hours standby time
- » Supports up to 10 SIP accounts and 10 lines per handset as well as 3-way conferencing
- » Push-to-talk via a configurable button
- » Seamless 1-touch door control with Grandstream's GDS3700 series Door Cameras
- » Software and firmware updates over-the-air
- » Supports 350 meters outdoors and 50 meters indoors with the DP752 base station, and 300 meters outdoors with the DP750



**DP730**

- » 2.4 inch (240x320) color LCD with 3 programmable soft keys
- » Offers 40-hour talk time and 500-hour standby time
- » Supports up to 10 SIP accounts and 10 lines per handset as well as 3-way conferencing
- » Dedicated push-to-talk button, built-in proximity and accelerometer sensors for gesture control and alert notification
- » Bank-grade TLS encryption from end-to-end
- » Software and firmware updates over-the-air
- » Supports 400 meters outdoors and 50 meters indoors with the DP752 base station, and 300 meters outdoors with the DP750

# DECT series of Cordless IP Phones (Base Stations)



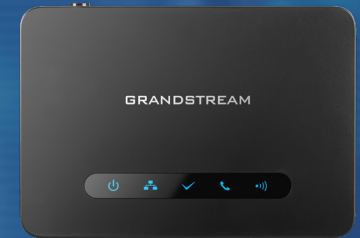
**DP750**

- » Up to 10 SIP accounts per system; up to 10 lines per handset; up to 5 concurrent calls per DECT system
- » Supports a range of up to 300 meters outdoors and 50 meters indoors
- » 3-way voice conferencing, full HD audio, integrated PoE
- » Automated provisioning options include TR-069 and XML config files
- » TLS and SRTP security encryption technology to protect calls and accounts
- » Use with Grandstream's UCM series of IP PBXs for Zero Config provisioning



**DP752**

- » Pairs with up to 5 of Grandstream's DP series DECT handsets via instant pairing using a dedicated pairing button
- » Up to 10 SIP accounts per system; up to 10 lines per handset
- » Support outdoor range of up to 400 meters with the DP730 or up to 350 meters with DP722/DP720 as well as indoor range up to 50 meters
- » Supports Push-to-Talk and activity based on proximity and accelerometer sensors
- » Automated provisioning options include TR-069 and XML config files



**DP760**

- » Up to 2 concurrent HD calls
- » Extends an additional range of 300 meters outdoors and 50 meters indoors for added mobility
- » Automatic or manual association to DP750, base station for easy use
- » Supports Plug-n-Play features like auto association, auto region detection and seamless call handover
- » Automated provisioning options include XML config files
- » Automated provisioning options include TR-069 and XML config files
- » Ethernet connection provides PoE features



# Wi-Fi Cordless IP Phone



**WP820**

- » Dual-band Wi-Fi with efficient antenna design and advanced roaming support
- » Bluetooth for syncing headsets and mobile devices (contacts and call transferring)
- » HD voice & dual MIC design with AEC and Noise Shield Technology
- » Rechargeable 1500mAh battery, 7.5 hour talk time, 150-hour standby
- » Accelerometer and configurable button for push-to-talk, panic and other related functions
- » Micro USB port and 3.5mm headset jack
- » 2 SIP accounts, 2 lines
- » Supports custom Android apps that fit the phone's screen/keys
- » Battery charger (GMC08) that can charge up to 8 batteries at a time is available separately



# Wi-Fi Access Points



**GWN7610**

- » Support for up to 16 SSIDs per radio and up to 250+ concurrent Wi-Fi clients
- » Dual-band 3x3:3 MIMO technology
- » Dual Gigabit ports with support for PoE/PoE+
- » User friendly built-in provisioning controller
- » up to 175-meter coverage range
- » Efficient power saving through self-power adaptation upon auto detection of PoE or PoE+ network



**GWN7600LR**

- » 1.27Gbps wireless throughput and 2x Gigabit wireline ports
- » Dual-band 2x2:2 MU-MIMO with beam-forming technology
- » Support 802.3af and 802.3at Power-over-Ethernet (PoE/PoE+)
- » Support 450+ concurrent Wi-Fi client devices
- » Up to 300-meter coverage range
- » Embedded controller allows GWN7600LR to auto-discover, auto-provision and manage up to 30 GWN series Wi-Fi APs in a network



**GWN7600**

- » 1.27Gbps wireless throughput and 2x Gigabit wireline ports
- » Dual-band 2x2:2 MU-MIMO with beam-forming technology
- » Support 802.3af Power-over-Ethernet (PoE)
- » Support 450+ concurrent Wi-Fi client devices
- » Up to 165-meter coverage range
- » Embedded controller allows GWN7600 to auto-discover, auto-provision and manage up to 30 GWN7600s in a network



**GWN.Cloud**

- » Complete scalability with no limits on the number of sites or APs
- » Access from anywhere via the web interface or GWN.Cloud mobile app for iOS and Android
- » Full network monitoring and reporting
- » High reliability thanks to being hosted by Amazon Web Services (AWS)
- » Bank-grade TLS encryption from end-to-end
- » X.509 certificate-based authentication
- » Resiliency from cloud disruptions