

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



Wi-Fi

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

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

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

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

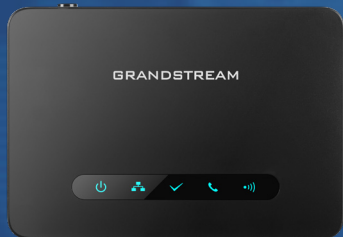
- » 1.8 inch (128x160) color LCD with 2 programmable soft keys
- » Offers 20 hours talk time and 250 hours standby time
- » Supports up to 10 SIP accounts and 10 lines per handset as well as 3-way conferencing
- » Push-to-talk via a configurable button
- » Seamless 1-touch door control with Grandstream's 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



WP810

- » 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, **6** hour talk time, **120**-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

GWN Series 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 thanks to a built-in controller, outstanding network throughput and support for a large number of clients per AP. Our APs can be paired with 3rd party routers, future Grandstream routers as well as existing Wi-Fi networks, making them ideal for both new and existing Wi-Fi deployments.



GWN Series Wi-Fi APs

GWN7600 - 165m range, 450 clients, indoor
GWN7602 - 100m range, 80 clients, indoor
GWN7605 - 165m, 100 clients, indoor
GWN7610 - 175m range, 250 clients, indoor
GWN7630 - 175m range, 200 clients, indoor
GWN7600LR - 300m range, 450 clients, outdoor
GWN7630LR - 300m range, 200 clients, outdoor

Network Management Options

GWN.Cloud Wi-Fi Management

This free cloud platform offers a centralized interface managing an unlimited number of APs. It includes a free mobile app, a suite of real-time reports and analytics, and more.

GWN Manager Wi-Fi Management









This free on-premise platform offers the same features as the GWN.Cloud and offers complete scalability with an unlimited number of sites or APs.



Wi-Fi Voice extends access to SIP or VoIP networks through Wi-Fi, rather than through hard-wired connections. Grandstream is one of the only manufacturers that offers everything you need to build powerful Wi-Fi voice and video networks - including Wi-Fi Access Points, cordless, desktop, video and audio conferencing IP phones, Wi-Fi video conferencing devices, a free mobile app and IP PBXs to anchor your network.

GWN Series Wi-Fi Access Points

Comparison Chart

Specifications	Indoor Access Points						Outdoor Access Points	
Model	 GWN7600	 GWN7602	 GWN7605	 GWN7610	 (upcoming) GWN7615	 GWN7630	 GWN7600LR	 GWN7630LR
Client Devices	450+	Up to 80	100+	250+	200+	200+	450+	200+
Range	165 Meters	100 Meters	165 Meters	175 Meters	175 Meters	175 Meters	300 Meters	300 Meters
Network Interfaces	2x autosensing 10/100/1000 Base-T Ethernet Ports	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	2x autosensing 10/100/1000 Base-T Ethernet Ports
PoE/PoE+	Supports PoE 802.3af Max consumption: 16.5W	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: 13.8W	Supports PoE 802.3af/802.3at; Max consumption: 12.5W	Supports PoE 802.3af/ 802.3at; Max Consumption: 16.5W	Supports PoE 802.3af/802.3at; Max Consumption: 12.9 W (PoE); 23.0 W (PoE+)	Supports PoE 802.3af/802.3at; Max Consumption: 16.5W
2.4G Throughput	400Mbps (2x2:2 MIMO)	300Mbps (2x2:2 MIMO)	300Mbps (2x2:2 MIMO)	450Mbps (3x3:3 MIMO)	1300Mbps (3x3:3 MIMO)	600Mbps (4x4:4 MIMO)	400Mbps (2x2:2 MIMO)	600Mbps (4x4:4 MIMO)
5G Throughput	867Mbps (2x2:2 MIMO)	867Mbps (2x2:2 MIMO)	867Mbps (2x2:2 MIMO)	1300Mbps (3x3:3 MIMO)	450Mbps (3x3:3 MU-MIMO)	1733Mbps (4x4:4 MU-MIMO)	867Mbps (2x2:2 MU-MIMO)	1733Mbps (4x4:4 MU-MIMO)
Wi-Fi Standards	IEEE 802.11 a/b/g/n/ac	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 802.11a/b/g/n/ac (Wave-2)	IEEE 802.11 a/b/g/n/ac (Wave-2)	IEEE 802.11 a/b/g/n/ac (Wave-2)	IEEE 802.11a/b/g/n/ac (Wave-2)
SSIDs	16 SSIDs per access point	4 SSIDs per radio	8 SSIDs per radio	16 SSIDs per access point	16 SSIDs per access point	16 SSIDs per access point	16 SSIDs per radio	16 SSIDs per radio
Network Management	GWN.Cloud GWN Manager Embedded Controller	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
USB Port	1	0	0	0	0	0	0	0
Antennas	2 dual band internal antennas	2 dual band internal antennas	2 dual band internal antennas	2 dual band internal antennas	2 dual band internal antennas	4 dual band internal antennas	2 dual band internal antennas	4 detachable/changeable dual-band omnidirectional antennas
Wi-Fi & System Security	WEP, WPA/WPA2-PSK, WPA/WPA2 Enterprise (TKIP/AES), anti-hacking secure boot and critical data/control lockdown via digital signatures	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), anti-hacking secure boot and critical data/control lockdown via digital signatures	WEP, WPA/WPA2-PSK, WPA/WPA2 Enterprise (TKIP/AES), anti-hacking secure boot and critical data/control lockdown via digital signatures	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, anti-hacking secure boot and critical data/control lockdown via digital signatures	WEP, WPA/WPA2-PSK, WPA/WPA2 Enterprise (TKIP/AES), anti-hacking secure boot and critical data/control lockdown via digital signatures	WEP, WPA/WPA2-PSK, WPA/WPA2 Enterprise, anti-hacking secure boot and critical data/control lockdown via digital signatures
Dimensions	180.4x180.4x40.8mm	135x115x30mm	180.4x180.4x40.8mm	205.3x205.3x45.9mm	205.4x205.4x45.9mm	205.3x205.3x45.9mm	290x150x35mm	533.1x115x40mm
Mounting	Indoor wall mount or ceiling mount	Wall Mountable	Indoor wall mount or ceiling mount	Indoor wall mount or ceiling mount	Indoor wall mount or ceiling mount	Indoor wall mount or ceiling mount	Outdoor base bracket and cover bracket	Wall mount or pole mount
Weatherproof Capabilities	N/A	N/A	N/A	N/A	N/A	N/A	IP66-level	IP66-level