Deploying WiFi Voice
A Grandstream VideoTalk
November 2018
About Grandstream

- Founded in 2002
- Over 600 employees
- Product Portfolio contains over 40 products: Business Conferencing, IP Phones, Gateways and ATAs, Networking Devices, Surveillance and Facility Access Systems, and Award Winning IP PBXs
- Primarily serving small-to-medium size businesses (SMBs) and consumer markets

Countries and Locations:
- **US**: Boston - Headquarters, Los Angeles, CA, Dallas, TX
- **China**: Hangzhou, Shenzhen, Hong Kong - Warehouse
- **Morocco**: Casablanca - Support Center, EMEA
- **Venezuela**: Venezuela - Support Center, LATM
- **Netherlands**: Moerdijk - Warehouse
- **Malaysia**: Kuala Lumpur – Support Center, APAC
Award-Winning History
Why WiFi Voice and Video

➢ 31 billion devices are expected to be connected to the IoT over wireless channels by the end of 2018
   *IHS Markit Report*

➢ 71% of all mobile communications occur over a WiFi connection
   *The Economist Intelligence Unit*

➢ 60% of employees believe that mobile technology boosts their productivity
   *Wi-Fi Alliance Fact Sheet*
Advantages of WiFi Voice and Video

- Utilizing light-infrastructure deployments with wireless networks
- Seamless office mobility to empower collaboration
- Integrated solution for superior connection quality
- Streamlined installation and management
- Industry trend of hybrid office structure
Connect onsite or hosted IP PBX through a WLAN

WiFi access points provide the foundation

Multiple endpoint to choose from to create a complete deployment

Softphone GS Wave application for work-phones
Grandstream WiFi Voice Deployment

- UCM series IP PBX
- GWN series APs
- GXV3200 series
- WP820
- GXP1760W
- GAC2500
- Grandstream Wave
GWN Series of WiFi Access Points

- MU-MIMO design allows internal antennas to send and receive data at the same time
- Embedded controller and robust web UI
- Industry-leading security suite
- Powerful data transfer and device support
- 2.4GHz and 5GHz dual WiFi design
Networking Solutions

Wifi Access Points

Grandstream's powerful WiFi Access Points offer high performance networking, industry-leading coverage range, fast provisioning and management thanks to a built-in controller, outstanding network throughput and support for a large number of clients per AP.

GWN.Cloud is an enterprise-grade management platform for Grandstream access points. Manage multiple network deployment from one intuitive and powerful web portal.
Supports more than 250+ WiFi client devices.

1.75Gbps wireless throughput and 2x Gigabit wireline ports.

175-Meter coverage range for superior device mobility.

Dual-band 3x3:3 MIMO technology

Advanced Wi-Fi security features, including WEP, WPA/WPA2-PSK, WPA/WPA2-Enterprise

Offers simultaneous dual band WiFi signals.

Embedded controller for auto-discovery, auto-provision, and management of up to 50 GWN7610s.
**GWN7600**

Mid-Tier 802.11 ac Wave-2 WiFi Access Point

- Supports more than 450+ WiFi client devices.
- 1.27Gbps wireless throughput and 2x Gigabit wireline ports
- 165-Meter coverage range for superior device mobility
- Dual-band 2x2:2 MIMO technology
- Advanced Wi-Fi security features, including WEP, WPA/WPA2-PSK, WPA/WPA2-Enterprise
- Offers simultaneous dual band Wi-Fi signals
- Embedded controller for auto-discovery, auto-provision, and management of up to 30 GWN APs
GWN7600LR

Outdoor Long-range 802.11ac Access Point

- Supports more than 450+ WiFi client devices
- 1.27 Gbps wireless throughput and 2x Gigabit wireline ports
- 300-Meter coverage range for superior device mobility
- Dual-band 2X2:2 MIMO technology
- Advanced Wi-Fi security features, including WEP, WPA/WPA2-PSK, WPA/WPA2-Enterprise
- Offers simultaneous dual band Wi-Fi signals
- Embedded controller for auto-discovery, auto-provision, and management of up to 30 GWN APs
GWN.Cloud

Cloud Controller for the GWN Series Access Points

- Manage networks from anywhere using a web browser or GWN.Cloud app for iOS & Android
- Works with all Grandstream access points
- Provides real-time AP and client monitoring
- Integrated statistics, reports and alerts
- Streamlined network configuration process in an easy to use web UI
- Available to use at: www.gwn.cloud/register
WiFi Enabled End-Points

➢ Enterprise mobility through the WP820 portable WiFi phone
➢ Desktop WiFi solutions
  • Voice and Video
➢ Conferencing solutions supporting large boardrooms to small huddlerooms
Portable WiFi IP phone with dual-band WiFi support and a suite of enterprise-grade communication features.

- HD Voice and dual MIC design with AEC and noise shield technology
- 2 SIP Accounts, 2 Lines
- Built in accelerometer, panic button, push-to-talk
- 7.5 hour talk time, 150 hour standby time

WP820
Enterprise Portable WiFi Phone
GXP1760W

Mid-Range IP Phone With WiFi

Integrated dual-band WiFi-enabled desktop IP phone. Ideal for productivity focused workstations for various call volumes.

- Equipped with enterprise features for call efficiency and productivity
- Digital BLF Keys, 24 programmable keys
- 6 lines, 3 SIP accounts
- 5-way conferencing
- Integrated PoE, USB Port, and EHS support
All-in-one communication solution that enhances the efficiency and desktop experience of any user.

- 4.3” touch-screen
- 6 lines, 6-way audio conference and no-cost 3-way video conferencing
- 3rd party Android™ applications include Microsoft Lync, Skype, Twitter, Facebook
- Wi-Fi PoE, Bluetooth, USB, SD, mini HDMI, EHS
- Compatible with the GXP2200EXT extension module
A multimedia solution for executive desktops and enterprise users. Complete voice, video, and productivity solution to maximize efficiency.

- Runs on Android 7.0
- 7” touch screen
- 16 lines, 7-way audio conference and no cost
- 3-way video conference
- 3rd party Android™ applications include Microsoft Lync, Skype, Twitter, Facebook
- WiFi, PoE, Bluetooth, USB, SD, mini HDMI, EHS
- 4-core processor and 2 GB RAM and 8 GB eMMC Flash for maximum performance
An ideal conference solution that delivers a modern design paired with HD audio and a suite of productivity-focused features.

- 4.3” capacitive touch screen LCD
- 6 lines with built-in 7-way conference bridge
- Dual Gigabit networks ports & built-in PoE
- Integrated Bluetooth, USB and Wi-Fi
A video conferencing system for an organization looking to use powerful meeting and collaboration features.

- Embedded MCU with up to 9-way video conferencing and remote screen sharing
- Advanced remotely controllable PTZ camera with wide angle lens and 12x optical zoom
- Gigabit network port, Wi-Fi, Bluetooth and 3 HDMI output ports for 3-screen view and screen sharing
- Includes Bluetooth based remote control, GAC2500 and mounting kit

GVC3200

Video Conferencing System
An innovative video conferencing endpoint ideal for small to medium businesses who need an easy-to-use yet productive video conferencing device.

- Sharp HD video resolutions up to 4k Ultra HD
- Integrated dual-band WiFi and Bluetooth
- Built-in 4-MIC array with Noise Shield Technology, and support for external audio equipment
- Advanced camera with 16M pixel CMOS sensor, 90 FOV wide angle lens and ePTZ
- Support for Miracast wireless content sharing
- 1x HDMI in, 2x HDMI out, and 2x USB, 1 Micro SD
WiFi Voice Deployment Scenarios

» Healthcare Centers
» Education and universities
» Logistics, warehouse, and cargo facilities
» Event facilities and companies
» Outdoor recreation facilities
» Retail and Commercial Stores
» Modern offices and enterprises
Healthcare Centers

WiFi mobility meets high-productivity supporting features

- GWN7610 or GWN7600 creates immersive WiFi network
- WP820 for doctors, nurses, and other mobile staff
  - Two lines, push to talk, panic button
- GXP1760W for reception, nurse stations, and administration
- GXV3370 for executives and chief of medicine
- GAC2500 for conference rooms
Education and Universities

Comprehensive WiFi solution for both staff and students, affordable infrastructure

- GWN7600 supports lecture halls, dormitories, and areas of high user density
- GWN7600LR for outdoor coverage
- WP820 supports facility, security, and janitorial staff
- GXP1760W for admin and staff offices
- GVC3200 in classrooms for group collaboration
- GVC3210 for productivity based huddle rooms
Logistics, Warehouse, and Cargo Facilities

Support large open spaces and time-sensitive efficiency

- GWN7600LR provides framework for the network
- WP820 primary device for bulk of staff
- GVC3210 for multi-site collaboration
Event Facilities and Companies

Simple and powerful mobile WiFi infrastructure

- GWN7600LR for outdoor deployments and massive event halls
- WP820 support mobile event staff
Outdoor Recreation Facilities

Network that combines an outdoor and indoor infrastructure
- GWN7600LR and GWN7610 for the respective network
- GXV3240 for maximum productivity of internal office staff
- GVC3200 and GAC2500 provides a comprehensive meeting room solution
- WP820 provided to each staff member when they need to traverse facility
Retail and Commercial Stores

Enhance staff’s customer service capabilities while providing public network to customers

» GWN7600 supports maximum users, staff/public network

» WP820 provides staff mobility while maximizing customer service

» GXP1760W for any needed desktop endpoints
The Modern Office

Hybrid office design requires a mobile and wireless structure

- Laptops and mobile productivity devices becoming a status-quo
- Collaboration areas require freedom of movement
- Productivity areas require effective desktop endpoints
THANK YOU