



GRANDSTREAM

CONNECTING THE WORLD



AGENDA

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COMPANY OVERVIEW

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NEW PRODUCTS

3

IP SURVEILLANCE PRODUCTS

4

SURVEILLANCE FEATURES

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PAIRING WITH UCM6XXX SERIES IP PBX



- **Founded in 2002**
- **Over 500 employees**
- **Product Portfolio contains over 40 products: *Video Conferencing System, Audio Conference Phone, 20 different IP Phones, 5 ATAs, 10 IP Surveillance cameras, 5 Video Encoder/Decoders & 2 IP PBXs***
- **Primarily serving small-to-medium size businesses (SMBs) and consumer markets**

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

Awards & Recognition



15 time winner



9 time winner



2 time winner



Global Presence



Over 10 Years of Growth and Innovation...



Product Interoperability

IP-PBX and Softswitch



ITSPs



Product Interoperability

Door Intercom



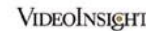
VoIP Applications, Services, and Hardware



Video Management Systems



Driving network video through global standardization



VoIP Product Lines

IP Multimedia Phones

Enterprise IP Phones

Small Business / Home Office IP Phones

Analog Gateways & ATAs

IP PBX Appliances

Video & Audio Conference Systems



Surveillance Product Lines

Box IP Cameras

Cube & Mini Dome IP Cameras

IP Video Encoders

Outdoor IP Cameras

Video Management Software

Network Video Recorder



Grandstream's Long History of Open Source

SIP



ANDROID

Android is a Registered Trademark of Google Inc.



Asterisk is a Registered Trademark of Digium



UPCOMING PRODUCTS



GXP1700 Series
Mid-Range IP Phones



GDS3710
HD IP Video Door System



GWN7600
Wireless Access Point



GWN7000
Wireless Router



Coming Soon



GXP1760

Mid-Range IP Phone

- 200 x 80 pixel back-lit LCD display
- Digital BLF Keys, 24 programmable keys
- 6 lines, 3 SIP accounts
- 5-way conferencing
- Automated provisioning
- Integrated PoE, USB Port, and EHS support



Coming Soon



GXP1780/82

Mid-Range IP Phone

- 200 x 80 Pixel Back-Lit LCD Display
- Digital BLF Keys, 32 Programmable Keys
- 8 lines, 4 SIP Accounts
- 5-way Conferencing
- Automated provisioning
- Gigabit Network Ports on GXP1782 Only
- Integrated PoE USB Port, and EHS Support



Coming Soon



GWN7600

Entry Level Wireless Access Point

- Supports more than 250+ WiFi client devices.
- 1.167Gbps wireless throughput and 2x Gigabit wireline ports.
- 175-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 25 GWN7510s.



Coming Soon



GWN7000

Enterprise Multi-WAN Gigabit VPN Router

- Embedded Provisioning. Can control up to 500 GWN76xx WiFi access points.
- Seven Gigabit ports, 2 WAN and 5 LAN.
- Hardware accelerated VPN including PPTP, L2TP/IPSec and OpenVPN with speeds up to 300Mbps.
- 1M packet/sec routing & 10Gbps aggregate switching power.
- 3G/4G-LTE wireless uplink via USB dongle.
- Web interface to centrally monitor/provision the entire network



Coming Soon



GDS3710

HD IP Video Door System

- HD Resolution up to 1080p, 30 frames per second.
- Built-in RFID chip reader for keyless entry.
- SIP/VoIP support for streaming of video feeds to multiple smartphones, sip endpoints and software simultaneously.
- Hemispheric camera for 180 degree wall-to-wall coverage, supports motion detection.
- Weatherproof, vandal resistant, PoE enabled, built in microphone and speaker for intercom functionality.



NEW PRODUCTS



HT802/812/814

Analog Telephone Adapters



UCM6200

IP PBX Appliance



GWN7610

Wireless Access Point



New

GWN7610

Mid-Range Wireless Access Point



- 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 Wi-Fi signals.
- Embedded controller for auto-discovery, auto-provision, and management of up to 50 GWN7510s.



New

UCM6200 series

IP PBX Appliance



- 2/4/8 FXO trunk port models, 2 FXS ports with lifeline capability.
- Up to 100 concurrent calls and up to 32 conference attendees
- Up to 800 SIP endpoints and up to 50 SIP trunk accounts
- Dual Gigabit network ports, integrated PoE, USB and SD ports
- Zero Configuration endpoint provisioning and no licensing fees



New

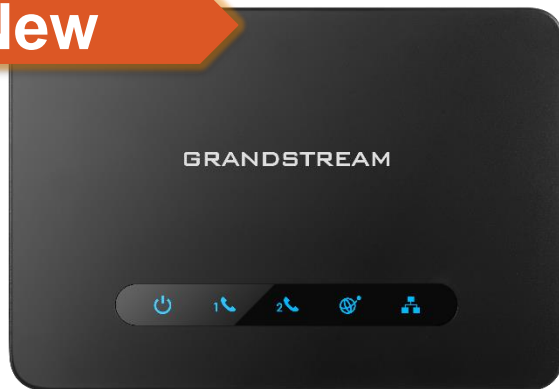
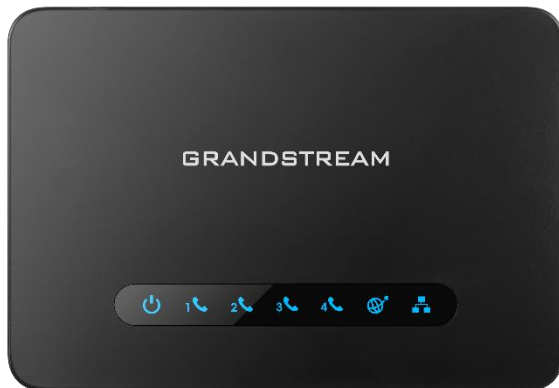
HT802

Analog Telephone Adapter



- Supports 2 SIP profiles, with 2 FXS ports and one 10/100Mbps port
- Supports 3-way voice conferencing.
- T.38 Fax support for creating Fax-over-IP
- Advanced Telephony features, such as call transfer, multi-language prompts, flex dial plan, and more.
- Automated provisioning options include TR-069 and XML config files.



New**HT812****HT814**

HT812 & HT814

FXS Port Analog Adapter

- HT812 – 2 FXS ports with 2 SIP profiles
- HT814 – 4 FXS ports with 4 SIP profiles
- Dual Gigabit network ports and integrated NAT router
- Features T.38 Fax, 3-way audio conferencing, and a wide range advanced telephony features
- Automated provisioning options including TR-069 and XML config files
- Supports ZeroConfig to use with the UCM series of IP PBXs



GVR3550

Network Video Recorder



- Up to 24 channels 720p HD, or 16 channels of 1080p FHD video/audio real-time recording
- Up to 4 SATA 3.5" internal hard drives with maximum 16TB storage and RAID 0 or RAID 1 configurations
- 1 HDMI and 1 VGA output, as well as USB, eSATA and alarm in/out ports
- Compatible with all Grandstream surveillance devices, as well as all ONVIF compliant IP cameras



GVR3552

Network Video Recorder



- Up to 8 channels 1080p FHD, or 16 channels of 720p HD video/audio recording
- Up to two 2.5" internal hard drives with up to 4TB storage
- HDMI, USB and VGA interfaces
- Compatible with all Grandstream surveillance products, and all ONVIF compliant IP cameras (pending)





GXV3672 series

720p/1080p Outdoor Tube Camera

- GXV3672_36: 1.2MP, 3.6mm lens
- GXV3672_FHD: 3.1M camera, 8mm lens
- H.264 ONVIF compliant infrared
- Day/night mode with light sensor and IR_CUT filter



Available in:





GXV3674 HD/FHD

720p/1080p Outdoor Tube Camera

- 2.8mm-12mm Vari-focal lens, 1.2MP
- H.264 ONVIF compliant infrared 720p HD, 1080p FHD
- IP66 weatherproof

Available in:





GXV3610 HD/FHD

720p/1080p Outdoor Dome Camera

- H.264 ONVIF compliant infrared 720p HD, 1080p FHD
- 1.2MP, 3.6mm lens
- IP66 weatherproof
- Day/night mode

Available in:





GXV3610FHD

1080p Outdoor Dome Camera

- IP66 vandal & weather resistant
- H.264 ONVIF compliant
- GXV3662_HD: 1.2MP, 3.3-12mm lens
- GXV3662_FHD: 3.1MP, 3.3-12mm lens
- Integrated PoE

Available in





GXV3611IR_HD

Indoor Infrared Fixed Dome HD IP Camera

- Integrated IR-CUT for day/night mode
- Integrated microphone and speaker
- H.264 ONVIF compliant HD (720p)
- 2MP, 2.8mm lens
- Integrated PoE
- Supports Time-lapse photography





GXV3500

Video Encoder/Decoder

- 1 channel video encoder or decoder
- Rich peripheral interfaces
- H.264 ONVIF compliant



Surveillance Features

Define the phone number
to call from the camera

Phone List

Phone Number	Remark Name	Remove
<input type="text"/>	<input type="text"/>	<input type="button" value="Add..."/>
102	VideoPhone	<input type="checkbox"/>
	<input type="checkbox"/> Check All	<input type="button" value="Remove"/>

Note: You must restart the device to apply the changes.

IP Camera SIP Settings

Home
Basic Settings
System
Video & Audio
Networking
DNS
SIP
Status
Advanced Settings

General Phone Settings

Registered: Online
Unregister On Reboot: ☒

SIP Settings

Account Name:
SIP Server:
Outbound Proxy:
SIP User ID:
Authenticate ID:
Authenticate Password:
STUN Server:
Stream:
Preferred Vocoder:
Register Expiration(Second):
local SIP Port:
local RTP Port:
Auto on Hook Timer:
Disable Audio in SIP Call: ☐
Enable Keep Alive: ☐
Accept Direct IP Call: ☒
Enable White List Number Filter: ☐
SIP Proxy Compatibility Mode: ☐
Enable Dual-way Audio Warning Mode: ☒

Note: You must restart the device to apply the changes.



Scenario 1: Smoke Detection (GXV3611IR_HD only)

Alarm Event

Motion Detection

Syslog

+ DI Alarm Time Schedule

Smoke Alarm Action

☐ Record Video From Pre Alarm 0 seconds to After Alarm 0 seconds

☒ Voice Alarm to SIP Phone

☐ Alarm Output

☐ Upload to Alarm Center

☐ Upload to Alarm HTTP Server

☐ Email and FTP upload JPEG

Save

- Smoke Alarm Time Schedule

Date	Start Time	End Time	
Everyday	00:00	23:59	Add
Everyday	00:00	23:59	<input type="checkbox"/>
		<input type="checkbox"/> Check All	Delete

To initiate a SIP call to configured extension when Smoke is detected


Set the time when Smoke alarm will be enabled. In this example, it's enabled 24/7.



Scenario 2: Motion Detection (GXV3611IR_HD only)

Step1: Enable Motion detection and setup regions

Motion Detection Region Settings



☒ Enable Motion Detection
☒ Show Motion Detection Regions
 Select a Region: 0
 Sensitivity: 50
 Save Edit Remove

Step2: Enable Motion detection and setup regions

Alarm Action

☐ Record Video From Pre Alarm 0 seconds to After Alarm 1 seconds
☒ Voice Alarm to SIP Phone
☒ Upload to Alarm Center
☐ Upload to Alarm HTTP Server
☐ Email and FTP upload JPEG

Save

Note: When **Upload to Alarm Center** is checked, the Motion Detection region and icon (in Home page) will blink in red if your camera detects any motion.

Step3: Setup Motion detection Time Schedule

Motion Detection Time Schedule

Region ID	Date	Start Time	End Time	
0	Everyday	00:00	23:59	Add



Scenario 3: Open Door Feature (DTMF)

- **Enable SIP Open Door:** This will close the DO connections in the back to close the circuit connected to it.
- **Key to Open the Door:** DTMF key (Currently only SIP INFO DTMF is supported) to close the circuit. Digits 0-9 only.
- **Delay Lock Time(Second):** This is the time in seconds that the circuit will remain closed when this function is triggered
- **Phone List/Phone Number:** Callee or call receiver number when alarm call triggered.
- **White List/Phone Number:** Phone numbers allowed to call into the camera.

Notes:

- OpenDoor feature is not available in following models: GXV3615/GXV3615WP_HD/GXV3672HD/FHD
- OpenDoor feature can be used in combination with Alarm IN/OUT using a Door Bell connected in Alarm IN and Door lock connected in Alarm OUT



Scenario 4: Alarm In

Step1: Configuring Alarm Input on the camera



Scenario 4: Alarm In

Step2: Enable Alert Event

Configuration > Advanced Settings > Alert Event

Alarm Action

☐ Record Video From Pre Alarm 0 seconds to After Alarm 1 seconds

☒ Voice Alarm to SIP Phone

☒ Alarm Output

☐ Upload to Alarm Center

☐ Upload to Alarm HTTP Server

☐ Email and FTP upload JPEG and Store it to SD driver

Step3: Configure Alarm Schedule

Configuration > Advanced Settings > Alert Event

Alarm Event Time Schedule

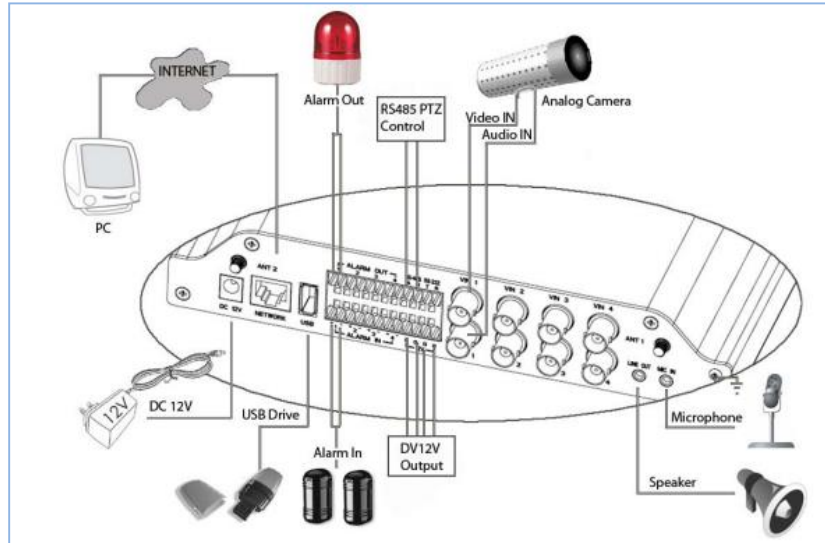
Date	Start Time	End Time	
Everyday	00:00	23:59	Add

In this scenario, when Alarm IN triggers an alarm, a SIP call will be triggered to preconfigured SIP phone and Alarm Output circuit will be closed/opened (depending on initial state)



Scenario 5: Encoders

With two encoders: GXV3504 supporting up to 4 analog cameras, and GXV3500 supporting one analog camera



A video encoder digitizes analog video signals and sends digital images directly over an IP network, such as a LAN, intranet or Internet.

It essentially turns an analog video system into a network video system and enables users to view live images using a Web browser or a video management software such as Gsurf_Pro or else on any local or remote computer on a network.

It allows authorized viewers from different locations to simultaneously access images from the same analog camera, as well as network cameras if they are added to the system.

Delivering high quality, secure and reliable voice, video, data & mobility to SMBs



*Delivering high quality, secure and reliable voice,
video, data & mobility for **SMBs***



- Enterprise-grade features in an affordable, compact & easy-to-manage PBX designed specifically for the SMB market
- No licensing fees
- Fast and easy setup & management
- ALL hardware/software included as well as lifetime firmware updates



UCM6100 & UCM6510 series IP PBX Appliances



UCM6100 series



UCM6510





UCM6100 series

IP PBX Appliance



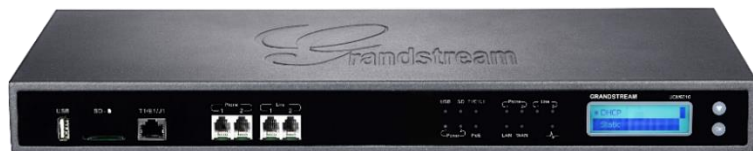
- 2/4/8/16 FXO trunk port models, 2 FXS ports
- Up to 60 concurrent calls and up to 32 conference attendees
- Up to 500 SIP endpoints and up to 50 SIP trunk accounts
- Dual Gigabit network ports, integrated PoE, USB and SD ports
- Zero Configuration endpoint provisioning and no licensing fees





UCM6510

IP PBX Appliance



- E1/T1/J1 Interface
- 2 PSTN trunk FXO ports, 2 FXS ports with lifeline capability
- Up to 2000 SIP endpoints and up to 50 SIP trunk accounts
- Dual Gigabit network ports, integrated PoE, USB and SD ports
- Zero Config endpoint provisioning and no licensing fees



Voice

Secure, clear, and reliable

Conferencing

Comprehensive Codec Support

Endless Customizable Voice features

Data

Phonebook files

CDR

Codec Transcoding

System Backup

Call Recording

Voicemail/fax to email



Mobility

Softphone apps

Monitor your business

Connect Multiple Offices

Video

Face to face video calls

Video Surveillance Integration

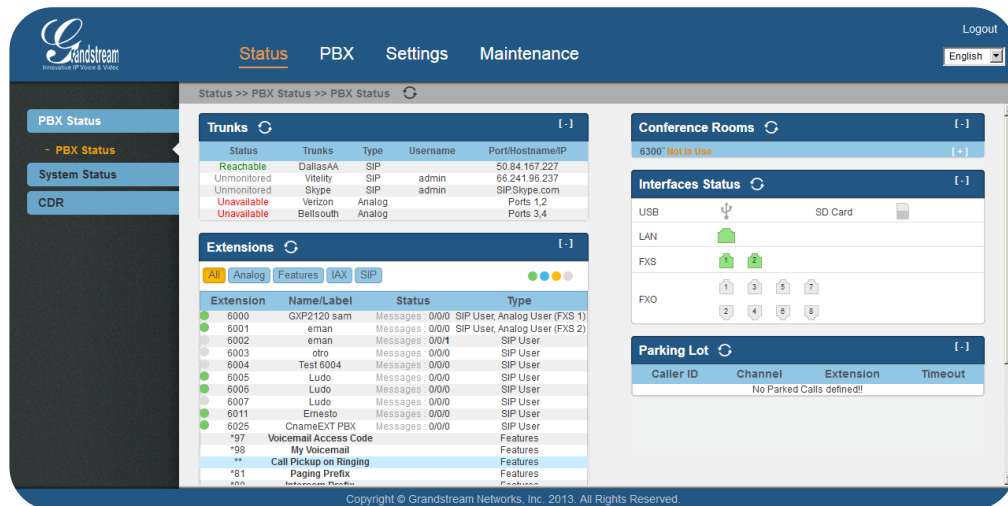
SIP Video

Video Codec Support



General Specifications

- Up to 500 extensions
- # of FXO ports & concurrent calls:
 - 2 - 30** (UCM6102)
 - 4 - 45** (UCM6104)
 - 8 - 60** (UCM6108)
 - 16 - 60** (UCM6116)
- Gigabit ports with PoE Plus
- Each bridge supports up to **25** (UCM6102 & UCM6104) or **32** (UCM6108 & UCM6116) conference attendees
- Zero-configuration provisioning
- Simple setup/management with Web UI

The screenshot displays the Grandstream Web UI interface. The top navigation bar includes 'Status', 'PBX', 'Settings', and 'Maintenance'. The left sidebar shows 'PBX Status', 'PBX Status', 'System Status', and 'CDR'. The main content area is divided into several sections:

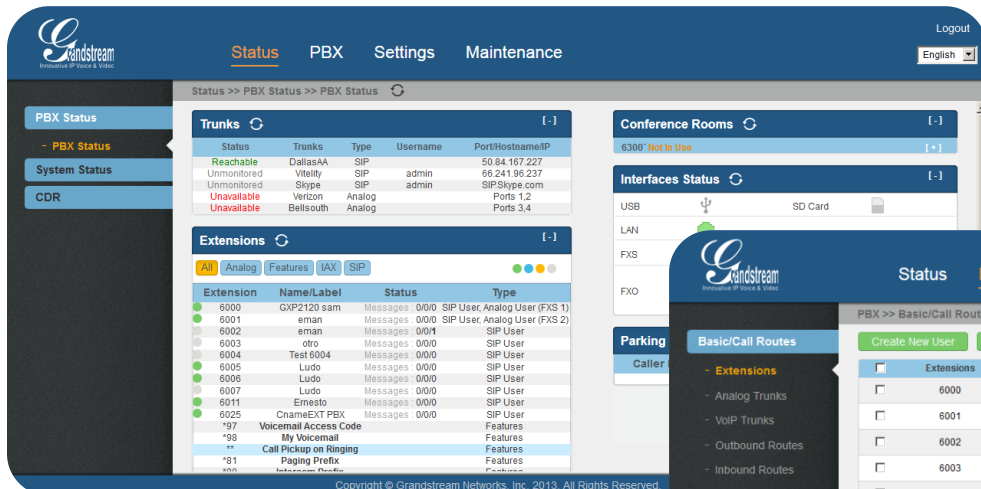
- Trunks:** A table showing trunk status, type, username, and port/host name/IP.
- Extensions:** A table showing extension numbers, names/labels, status, and types.
- Conference Rooms:** A section for managing conference rooms.
- Interfaces Status:** A section showing the status of various interfaces (USB, LAN, FXS, FXO).
- Parking Lot:** A section for managing caller ID, channel, extension, and timeout.

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Easiest Possible Setup...



Grandstream PBX Status Screenshot

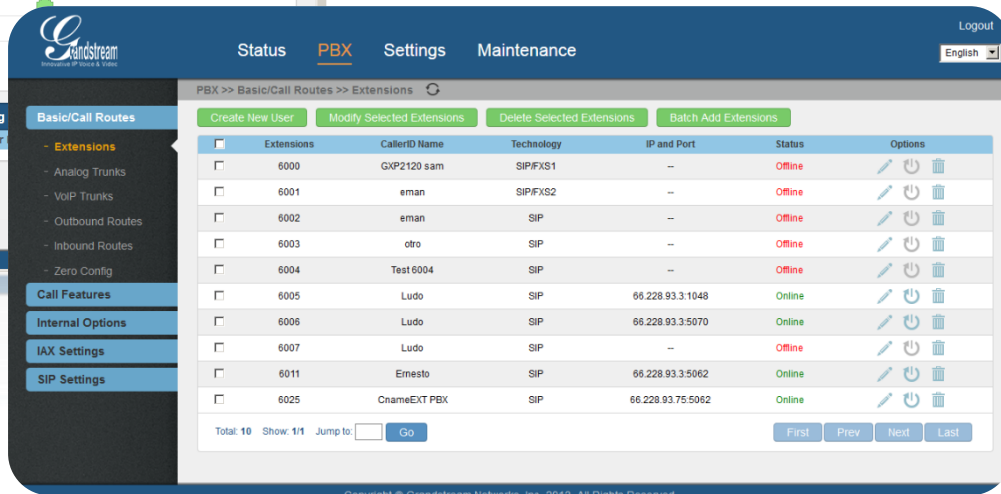
Navigation: Status | PBX | Settings | Maintenance

Trunks Table:

Status	Trunks	Type	Username	Port/Hostname/IP
Reachable	DallasAA	SIP		50.84.167.227
Unmonitored	Vitality	SIP	admin	66.241.96.237
Unmonitored	Slope	SIP		SIP@sky.com
Unavailable	Verizon	Analog		Ports 1,2
Unavailable	Bellsouth	Analog		Ports 3,4

Extensions Table:

Extension	Name/Label	Status	Type
6000	GXP2120 sam	Messages: 0/0	SIP User, Analog User (FXS 1)
6001	eman	Messages: 0/0	SIP User, Analog User (FXS 2)
6002	eman	Messages: 0/0	SIP User
6003	otro	Messages: 0/0	SIP User
6004	Test 6004	Messages: 0/0	SIP User
6005	Ludo	Messages: 0/0	SIP User
6006	Ludo	Messages: 0/0	SIP User
6007	Ludo	Messages: 0/0	SIP User
6011	Ernesto	Messages: 0/0	SIP User
6025	ChameEXT PBX	Messages: 0/0	SIP User
*97	VoiceMail Access Code		Features
*98	My Voicemail		Features
**	Call Pickup on Ringing		Features
*81	Paging Prefix		Features

Grandstream PBX Basic/Call Routes Screenshot

Navigation: Status | PBX | Settings | Maintenance

Basic/Call Routes Table:

Extensions	CallerID Name	Technology	IP and Port	Status	Options
<input type="checkbox"/> 6000	GXP2120 sam	SIP/FXS1	--	Offline	
<input type="checkbox"/> 6001	eman	SIP/FXS2	--	Offline	
<input type="checkbox"/> 6002	eman	SIP	--	Offline	
<input type="checkbox"/> 6003	otro	SIP	--	Offline	
<input type="checkbox"/> 6004	Test 6004	SIP	--	Offline	
<input type="checkbox"/> 6005	Ludo	SIP	66.228.93.3:1048	Online	
<input type="checkbox"/> 6006	Ludo	SIP	66.228.93.3:5070	Online	
<input type="checkbox"/> 6007	Ludo	SIP	--	Offline	
<input type="checkbox"/> 6011	Ernesto	SIP	66.228.93.3:5062	Online	
<input type="checkbox"/> 6025	ChameEXT PBX	SIP	66.228.93.75:5062	Online	

Total: 10 Show: 1/1 Jump to: Go

First Prev Next Last

*Delivering high quality, secure and reliable **video communications***



Delivering high quality, secure and reliable video communications



Video Calling

- Any SIP video endpoint
- See customers and employees through real-time, face-to-face video communication



Delivering high quality, secure and reliable video communications

Video Calling

- When used with Grandstream video phones, create your own multi-user video conference



Delivering high quality, secure and reliable video communications



Video Surveillance Integration

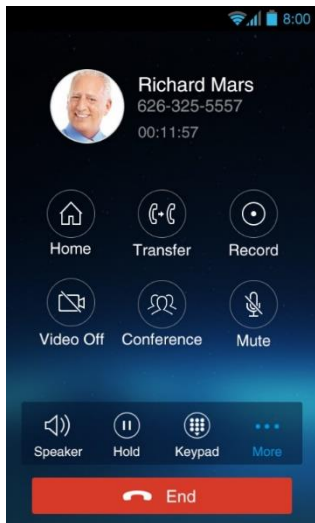
- Create a comprehensive solution to monitor and receive alerts from IP cameras
- Register IP cameras to the PBX
- Make video calls to IP cameras to view live feeds
- Speak through cameras with 2-way audio & video (door entry)
- IP cameras can be set to automatically call video phone when alert is triggered
- Receive alerts from anywhere



*Delivering high quality, secure and reliable **mobility***



Delivering high quality, secure and reliable mobility



Make and receive calls on a smartphone & tablet

- Compatible with SIP smartphone & computer applications, including Grandstream Wave, Bria, and Zoiper
- Utilize the extension for the user, rather than their desk at the office
- Supports both video and audio calls



Delivering high quality, secure and reliable mobility



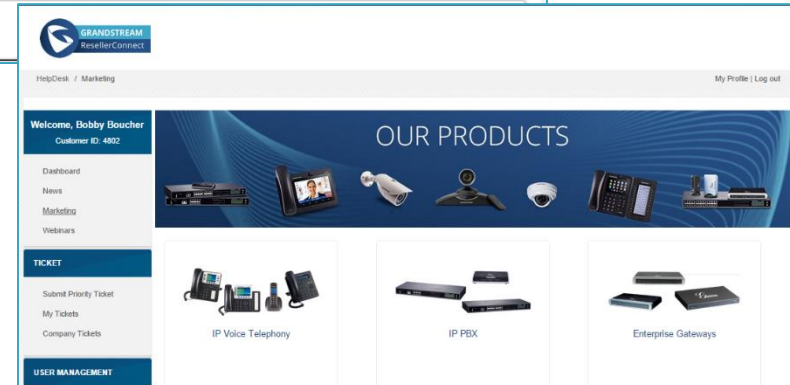
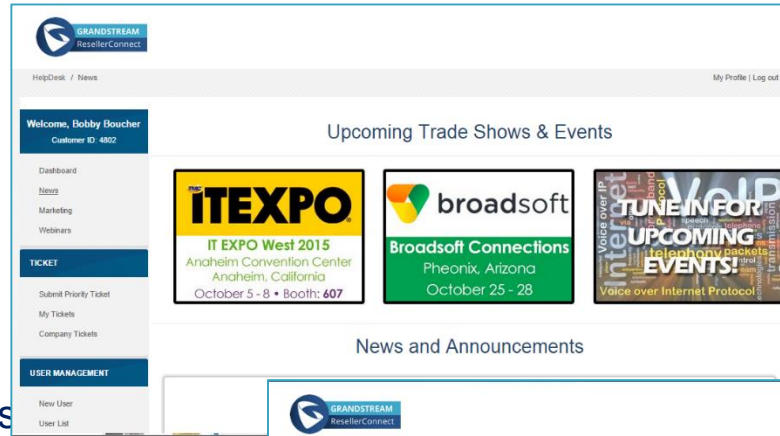
Monitor your business from anywhere

- View live feeds & receive alerts from IP cameras on any device with an internet connection
- Speak through IP cameras



ResellerConnect – Grandstream's Exclusive Reseller Portal

- Priority technical support tickets
- Exclusive product webinars
- Advance notification
- Access to high-resolution product images & graphics
- Weekly site updates & announcements
- Notification of feature & firmware updates
- Qualification as a ***Grandstream Certified Reseller***



Thank you

Any Questions?



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