# Grandstream

**Innovative IP Voice & Video**

## VoIP Product Lines

- IP Multimedia Phones
- Enterprise IP Phones
- Small Business IP Phone
- Consumer VoIP Adapters
- Enterprise VoIP Gateways
- DECT IP Phone & EXT Module

# IP Multimedia Phones

### GXV3140 v2 (Skype Certified)

**IP Video Phone With 4.3" Color LCD**

4.3" color LCD, advanced VGA resolution CMOS camera, 128MB RAM and 128MB Flash, 4 XML programmable keys, dual network ports with integrated PoE, up to 3 SIP accounts, Skype, HD audio, H.264/H.263/H.263+ video for WQVGA/QVGA/CIF/QCIF resolutions, rich multimedia applications

### GXV3175 v2 (CPU upgrade)

**IP Video Phone With 7" Touch Screen LCD**

7" resistive touch screen LCD, advanced mega pixel CMOS camera, powerful 1GHz Cortex-A8 CPU + DSP SoC, 256MB RAM and 256MB Flash, dual network ports with integrated PoE, integrated WiFi (802.11b/g/n), up to 3 SIP accounts, HD audio, H.264/H.263/H.263+ video for VGA/WQVGA/QVGA/4CIF/CIF/QCIF resolutions, rich multimedia applications

### GXP2200

**Android Multimedia Phone With 4.3" Touch Screen LCD**

Android 2.3, 4.3" capacitive touch screen LCD, powerful ARM Cortex A8 processor, 512MB RAM and 4GB Flash, dual Gigabit network ports, Bluetooth, USB, SD, up to 6 SIP accounts, EHS (Electronic Hook-Switch), HD audio, rich Android applications

| Specifications | GXV3140 v2 | GXV3175 v2 | GXP2200 |
|---|---|---|---|
| Camera | VGA resolution | Mega pixel | N/A |
| Network ports | 2 x 10M/100M network ports, PoE | 2 x 10M/100M network ports, PoE | 2 X 10M/100M/1000M network ports, PoE |
| WiFi | Via external WiFi USB adapter | Integrated (802.11b/g/n) | Via external WiFi USB adapter |
| Peripheral Ports | USB, SD, TV-Out, Stereo Audio Out, Headset | 2xUSB, SD, mini HDMI, Stereo Headset with Microphone | USB, SD, RJ9 headset jack |
| Audio, Voice & Video Format | AAC, MP3, WMA, Real, Ogg-Vorbis; G.711, G.722 (wideband), G.729A/B, G.723.1/ G.726/ GSM-FR/ H.264 baseline/ H.263/ H.263+ (GXV3140/ GXV3175 only) | | |
| Multimedia Applications | Internet radio, online music streaming, online photo album, Youtube, Facebook, Twitter, Skype (N/A for GXV3175), Google Voice, weather, news, stock, currency, calendar | | |
| Multi-language | Yes (English, German, French, Spanish, Chinese, Japanese, Korean, Portuguese, Italian, etc) | | |
| Universal Power Supply | 12V, 1A | 12V, 1.5A | 12V, 1.5A |

# Enterprise IP Phones

### GXP2124 v2

**Enterprise Multi-Key HD IP Phone**

Linux based, 240x120 graphic LCD with backlight and 8-level grayscale, dual Gigabit network ports, 4 lines, 4 soft keys, 24+4 BLF keys, 5-way conference, EHS (Electronic Hook-Switch), HD audio, multi-language, XML screen, personalized Web apps

### GXP2120

**Enterprise Executive HD IP Phone**

Linux based, 320x160 graphic LCD with backlight and 8-level grayscale, 6 lines, 4 soft keys, 7 BLF keys, 5-way conference, HD audio, full duplex speakerphone, multi-language, XML screen, expansion module, personalized Web apps

### GXP2100

**Enterprise Mainstream HD IP Phone**

Linux based, 180x90 graphic LCD with backlight and 8-level grayscale, 4 lines, 3 soft keys, 7 BLF keys, 4-way conference, HD audio, full duplex speakerphone, multi-language, XML screen, personalized Web apps

| Specifications | GXP2124 v2 | GXP2120 | GXP2100 |
|---|---|---|---|
| Line Keys & SIP Accounts | 4 line keys, 4 SIP accounts | 6 line keys, 6 SIP accounts | 4 line keys, 4 SIP accounts |
| Network & Headset Ports | 2 switched 10M/100M/1000M Ethernet ports with integrated PoE; RJ9 headset jack | 2 switched 10M/100M Ethernet ports with integrated PoE; RJ9 and 2.5mm headset jacks | |
| HD Audio & Voice Codec | HD Handset, speaker, headset, codec; G.711, G.722, G.723.1, G.729A/B, G.726, iLBC | | |
| Telephony Features | XML browser/XML screen, BLF/SCA, LDAP, QoS, Hot Desking, 802.1x, LDAP, large (2,000) phone book & call log | | |
| Security and Provisioning | TLS/SRTP, 802.1x, TR-069, encrypted XML config file, TFTP/HTTP/HTTPS | | |
| Personalized Web Apps | Weather, stock, currency, music ring tone, music streaming, etc. | | |
| Expansion Module | N/A | Yes, up to 2 with 112 keys | N/A |
| Universal Power Supply | 5V, 800mA (Green Energy Efficiency) | | |

# Small Business / Home Office IP Phones

## GXP1450

**Small-to-Medium Business HD IP Phone**

Linux based, 180x60 graphic LCD with backlight and 4-level grayscale, 2 lines, 3 soft keys, 3-way conference, HD audio, full duplex speakerphone, multi-language, XML screen, personalized Web apps

## GXP1400/1405

**Small-to-Medium Business HD IP Phone**

Linux based, 128x40 graphic LCD, 2 lines, 2 SIP accounts, 3 XML programmable soft keys, 3-way conference, HD audio, dual network ports, integrated PoE (GXP1405 only), power adapter, headset jack, TLS/SRTP/HTTPS, TR-069, auto-provisioning, multi-language

## GXP1160/1165

**Small Business Entry Level IP Phone**

Linux based, 128x40 graphic LCD, 1 line, 1 SIP account, 3 XML programmable soft keys, 3-way conference, call-waiting, dual network ports, integrated PoE (GXP1165 only), power adapter, EHS, headset jack, TLS/SRTP/HTTPS, TR-069, auto-provisioning, multi-language

## GXP1100/1105

**Simple IP Phone**

Linux based, Single SIP account, 4 programmable soft keys, HD audio, single network port, integrated PoE (GXP1105 only), power adapter, TLS/SRTP/HTTPS, TR-069, auto-provisioning, multi-language

| Specifications | GXP1450 | GXP1400/1405 | GXP1160/1165 | GXP1100/1105 |
|---|---|---|---|---|
| Line Keys & SIP Accounts | 2 lines, 2 SIP accounts | 2 lines, 2 SIP accounts | 1 line, 1 SIP account | 1 line, 1 SIP account |
| Network Ports | 2 | 2 | 2 | 1 |
| PoE | Yes | GXP1400(no) GXP1405(yes) | GXP1160(no) GXP1165(yes) | GXP1100(no) GXP1105(yes) |
| Headset | Yes | Yes | Yes | No |
| Voice codec | G.711, G.722, G.729.A/B, G.723.1, G.726, iLBC | | | |
| Security & Provisioning | TLS/HTTPS/TR069 (N/A for GXP1450), 802.1x (GXP1450 only), SRTP, encrypted XML, TFTP/HTTP, browser | | | |
| Universal Power Supply | 5V, 800mA (or higher) | | | |

# DECT IP Phone & EXT Module

## DP715/710

### DECT Cordless IP Phone

Integrated base station and handset (DP715), integrated battery charger and handset (DP710), 1.7" 102x80 backlit graphic LCD, 1 network port, supports up to 5 registered DECT handsets, up to 4 concurrent calls, up to 10-hour talk time and 80-hour standby time, multi-language

| Specifications | DP715 / 710 |
|---|---|
| Frequency range | 1880 ~ 1900 MHz (Europe), 1920 ~ 1930 MHz (US), 1910 ~ 1920 MHz (Brazil) |
| Phonebook (per handset) | 200 records, 10 dialed call records, 30 received call records |
| Network Interface | One 10/100Mbps auto-sensing Ethernet port |
| Voice Compression | G.711 with Annex I and Annex II, G.723.1, G.726-32 AAL2, G.729A/B, iLBC |
| SIP accounts | Up to five distinct SIP accounts per system; One or multiple handsets per SIP account |
| Security & Provisioning | TLS/SRTP/HTTPS, TFTP/HTTP, TR-069 (pending) |
| Universal Power Supply | 6VDC, 500mA for Base Station; 7VDC, 420mA for Charger Unit |

## GXP2020EXT

The GXP2020EXT expansion module can be used with GXP2110 and GXP2120. It features 56 extension keys with bi-color LED. It can be powered by the above IP phones and 2 such expansion modules can be cascaded to provide up to 112 phone extensions

## GXP2200EXT

The GXP2200EXT expansion module can be used with GXP2200.  It features 20 extension keys and 2 arrow keys for page switching with bi-color LED alongside a large LCD with 320x160 resolution.  It is powered by the host phone and up to 4 modules can be cascaded to provide up to 80 extensions

# Analog Telephone Adapters

## HT502

### 2-FXS-port Analog Telephone Adapter

2-FXS-port analog telephone adapter with integrated router and QoS capability, up to 2 SIP profiles, advanced security protection with TLS/SRTP/HTTPS, auto provisioning

## HT503

### 1-FXS / 1-FXO port Analog Telephone Adapter

1-FXS and 1-FXO port analog telephone adapter with integrated router and QoS capability, up to 2 SIP profiles, advanced security protection with TLS/SRTP/HTTPS, auto provisioning

## HT701

### 1-FXS-port Analog Telephone Adapter

1-FXS-port analog telephone adapter, up to 2 SIP profiles, advanced security protection with TLS/SRTP/HTTPS, auto provisioning

## HT702/704

### 2/4-FXS-port Analog Telephone Adapter

2/4-FXS-port analog telephone adapter, up to 2 SIP profiles, advanced security protection with TLS/SRTP/HTTPS, auto provisioning

| Specifications | HT502 | HT503 | HT701 | HT702/704 |
|---|---|---|---|---|
| Telephone Interfaces | 2 FXS | 1 FXS, 1 FXO | 1 FXS | 2FXS (HT702) 4FXS (HT704) |
| PSTN Failover Life Line Port | N/A | Yes | N/A | N/A |
| Network (10M/100Mbps) Ports | 2 with integrated router | | 1 | 1 |
| Universal Power Supply | 12V, 500mA (1A for HT704) | | | |
| Short / Long Haul Ring Load | REN 3, up to 1500 ft on 24 AWG lines | | | |
| Voice Codec and Fax-over-IP | G.711, G.723.1, G.729A/B, G.729E (for HT502/503 only), G.726, iLBC, G.168, VAD/CNG, T.38 | | | |
| Provisioning | Encrypted XML, TFTP/HTTP, TR-069, HTTPS | | | |
| Telephony Features | Hold, transfer, forward, 3-way conference, call waiting, DTMF via SIP INFO/RFC2833/In-Audio, dial plan | | | |
| Caller ID | Bellcore Type 1 & 2, ETSI, BT, NTT and DTMF based CID | | | |
| Disconnect Methods | Polarity reversal/wink, busy tone (HT70x), loop current (HT70x) | | | |

# Analog VoIP Gateways

### GXW4004/4008

**4/8-port FXS Gateway**

4/8-port FXS gateway with PSTN fail-over life line, integrated router with QoS capability, multi-SIP profiles per account/port, advanced security protection with TLS/SRTP/HTTPS, auto provisioning

### GXW4104/4108

**4/8-port FXO Gateway**

4/8-port FXO gateway, integrated router with QoS capability, multi-SIP profiles per account/port, advanced security protection with SRTP, auto provisioning

### GXW4216/4224/4232/4248

**16/24/32/48-port FXS Gateway**

16/24/32/48-port FXS gateway, multi-SIP profiles per account/port, advanced security protection with TLS/SRTP/HTTPS, auto provisioning, Gigabit network port with PoE, 128x32 graphic LCD supporting multi-languages

| Specifications | GXW4004/4008 | GXW4104/4108 | GXW4216/4224/4232/4248 |
|---|---|---|---|
| Telephone Interfaces | 4 FXS (GXW4004); 8 FXS (GXW4008) | 4 FXO (GXW4104); 8 FXO (GXW4108) | 16/24/32/48 FXS |
| Network Ports | 2 switch 10M/100M Ethernet ports with integrated router | 2 switch 10M/100M Ethernet ports | 1 switched 10M/100M/1000M Ethernet Port |
| PSTN Failover Life Line Port | 1 | N/A | N/A |
| Universal Power Supply | 12V, 1.5A | 12V, 1A | 12V, 5A |
| Short and Long Haul | REN 2, up to 1500 ft on 24 AWG lines | N/A | REN 2, up to 1500 ft on 24 AWG lines |
| Voice Codec and Fax-over-IP | G.711, G.723.1, G.729A/B, G.726, iLBC, G.168, VAD/CNG, T.38 | | |
| Provisioning | Encrypted XML, TFTP/HTTP, browser | | |
| Telephony Features | Hold, transfer, forward, 3-way conference, call waiting, DTMF via SIP INFO/RFC2833/In-Audio, hunt group, dial plan | | |
| Caller ID | Bellcore Type 1 & 2, ETSI, BT, NTT and DTMF based CID | | |
| Polarity Reversal/Wink | Yes | | |

Los Angeles
USA

Boston
USA

Dallas
USA

Casablanca
Morocco

Valencia
Venezuela

Mumbai
India

Hangzhou
China

Shenzhen
China

## Grandstream Networks, Inc.

Corporate Headquarters - 1297 Beacon Street, 2F Brookline, MA 02446 USA
617-566-9300
info@grandstream.com
www.grandstream.com

**Los Angeles Office**
1208 John Reed Court
City of Industry, CA 91745 USA
Voice: 626-638-9172

**Dallas Office**
2301 W Plano Parkway, Suite 208
Plano, TX 75075  USA
Voice: 469-241-0100

**Morocco Office**
1 El Gara Street 3rd Floor #8 Ain
Sebaa Casablanca, Morocco
Voice: 212-522-672-532

**China Office**
Bldg#1, No.2 Kefa Rd Science & Technology
Park (Central) Shenzhen, China 518057
Voice: 86-755-2601-4600