# GXP2160
## Enterprise IP Telephone

Grandstream
Innovative IP Voice & Video

## GXP2160

The GXP2160 is a state-of-the-art enterprise level 6-line SIP phone that features a 4.3 inch color LCD, 5 programmable context-sensitive soft keys, 24 programmable BLF extension keys, dual Gigabit network ports, integrated PoE and Bluetooth, 5-way voice-conferencing, and Electronic Hook Switch (EHS). The GXP2160 delivers superior HD audio quality on the handset and speakerphone, rich and cutting edge telephony features, and personalized information and customizable application service. The GXP2160 also supports automated provisioning for easy deployment, advanced security protection for privacy, and broad interoperability with most 3rd party SIP devices and leading SIP/NGN/IMS platforms. Ideal for enterprise and SMBs, the GXP2160 is a powerful color-screen IP Phone for users who handle high call volume and require access to advanced voice communication features.

## Feature Highlights

- 480x272 TFT color LCD

- 6 dual-color line keys (with 6 SIP accounts), 5 programmable context-sensitive soft keys, up to 5-way conferencing, and 24 dual-color BLF extension keys

- Dual switched auto-sensing 10/100/1000Mbps Gigabit network ports, PoE, Bluetooth, USB, and EHS (Electronic Hook-Switch) with Plantronics headsets

- Automated provisioning using TR-069 or AES encrypted XML configuration file, TLS/SRTP/HTTPS for advanced security and privacy protection

- Integrated real-time web applications [weather, currency, RSS news (pending), etc.]

**Corporate Headquarters:**
126 Brookline Avenue, 3rd Floor
Boston, MA 02215, USA

**Regional Offices:**   Dallas, TX, USA   |   Los Angeles, CA, USA   |   Casablanca, Morocco   |   Valencia, Venezuela   |   Hangzhou, China   |   Shenzhen, China

**Grandstream Networks, Inc.**      www.grandstream.com      info@grandstream.com

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|---|---|
| **Protocols / Standards** | SIP RFC3261, TCP/IP/UDP, RTP/RTCP, HTTP/HTTPS, ARP, ICMP, DNS (A record, SRV, NAPTR), DHCP, PPPoE, TELNET, TFTP, NTP, STUN, SIMPLE, LLDP, LDAP, TR-069, 802.1x, TLS, SRTP, IPv6 |
| **Network Interfaces** | Dual switched auto-sensing 10/100/1000 Mbps Gigabit Ethernet ports with integrated PoE |
| **Graphic Display** | 4.3 inch (480x272) TFT color LCD |
| **Bluetooth** | Yes, Bluetooth V2.1 |
| **Feature Keys** | 6 line keys with up to 6 SIP accounts, 24 speed-dial/BLF extension keys with dual-color LED, 5 programmable context sensitive softkeys, 5 navigation/menu keys, 11 dedicated function keys for : MESSAGE (with LED indicator), PHONEBOOK, TRANSFER, CONFERENCE, HOLD, HEADSET, MUTE, SEND/REDIAL, SPEAKERPHONE, VOL+, VOL- |
| **Voice Codec** | Support for G.729A/B, G.711µ/a-law, G.726, G.722(wide-band), and iLBC, in-band and out-of-band DTMF (in audio, RFC2833, SIP INFO) |
| **Auxiliary Ports** | RJ9 headset jack (allowing EHS with Plantronics headsets), USB |
| **Telephony Features** | Hold, transfer, forward, 5-way conference, call park, call pickup, shared-call-appearance (SCA)/ bridged-line-appearance (BLA), downloadable phonebook (XML, LDAP, up to 2000 items), call waiting, call log (up to 500 records), customization of screen, off-hook auto dial, auto answer, click-to-dial, flexible dial plan, hot desking, personalized music ringtones and music on hold, server redundancy and fail-over |
| **Sample Applications** | Weather, currency, news GMI available for advanced custom application development |
| **HD Audio** | Yes, both on handset and speakerphone |
| **Base Stand** | Yes, allow 2 angle positions |
| **Wall Mountable** | Yes |
| **QoS** | Layer 2 (808.1Q, 802.1p) and Layer 3 (ToS, DiffServ, MPLS) QoS |
| **Security** | User and administrator level passwords, MD5 and MD5-sess based authentication, AES based secure configuration file, SRTP, TLS, 802.1x media access control |
| **Multi-language** | English, Arabic, Chinese, Croatian, Czech, Dutch, German, French, Hebrew, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Slovenia, Spanish, Turkish |
| **Upgrade/Provisioning** | Firmware upgrade via TFTP/HTTP/HTTPS, mass provisioning using TR-069 or encrypted XML configuration file |
| **Power & Green Energy Efficiency** | Universal power adapter included: Input: 100-240V;  Output: +12V, 1A; Integrated Power-over-Ethernet (802.3af) Max power consumption:6W |
| **Physical** | Dimention: 275.5mm（W）x  206mm（L）x  46.5mm（H）; Unit weight: 0.98kg;    Package weight: 1.62kg |
| **Temperature and Humidity** | 0 ~ 40℃ (32 ~ 104℉ ), 10 ~ 90% (non-condensing) |
| **Package Content** | GXP2160 phone, handset with cord, base stand, universal power supply, network cable, Quick Start Guide |
| **Compliance** | FCC Part 15 (CFR 47) Class B; EN55022 Class B, EN55024, EN61000-3-2, EN61000-3-3, EN 60950-1, EN62479 AS/NZS CISPR 22 Class B, AS/NZS CISPR 24, RoHS; UL 60950 (power adapter) |