Grandstream
Innovative IP Voice & Video

GXP1450
Enterprise IP Telephone



GXP1450 is a next generation enterprise grade IP phone that features 2 lines with 2 SIP accounts, a 160x60 backlit graphical LCD, 3 XML programmable context-sensitive soft keys, dual network ports with integrated PoE, and 3-way conference. The GXP1450 delivers superior HD audio quality, rich and leading edge telephony features, personalized information and customizable application service, 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. It is a perfect choice for enterprise users looking for a high quality, feature rich IP phone with affordable cost.

Feature Highlights

- 160x60 pixel backlit graphical LCD display with up to 4 level grayscale
- 2 dual-color line keys (with 2 SIP accounts and up to 2 call appearances), 3 XML programmable context-sensitive soft keys, 3-way conference
- HD wideband audio, superb full-duplex hands-free speakerphone with advanced acoustic echo cancellation and excellent double-talk performance
- Large phonebook (up to 2,000 contacts) and call history (up to 2,000 records)
- Automated personal information service (e.g., local weather, etc), personalized music ring tone/ring back tone, flexible customizable screen content & format using XML, and advanced Web and enterprise applications integration (pending)
- Dual switched auto-sensing 10/100Mbps network ports with integrated PoE
- Automated provisioning using TR-069 or encrypted XML configuration file, SRTP and TLS for advanced security protection, 802.1x for media access control

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Technical Specifications

Protocols/Standards	SIP RFC3261, TCP/IP/UDP, RTP/RTCP, HTTP/HTTPS, ARP/RARP, ICMP, DNS (A record, SRV, NAPTR), DHCP, PPPoE, TELNET, TFTP, NTP, STUN, SIMPLE, TR-069, 802.1x
Network Interfaces	Dual switched 10/100Mbps ports with integrated PoE
Graphic Display	Back-lit 160x80 graphical LCD display with up to 4 level grayscale
Feature Keys	2 line keys with dual-color LED and 2 independent SIP accounts, 3 XML programmable context sensitive soft keys, 5 navigation/menu/volume keys, 10 dedicated function keys for: HOLD, SPEAKERPHONE, SEND/REDIAL, TRANSFER, CONFERENCE, MUTE, HEADSET, VOLUME, PHONEBOOK/CONTACTS, and MESSAGE (with LED indicator)
Voice Codec	Support for G.723.1, G.729A/B, G.711μ/a, G.726-32, G.722 (wide-band), iLBC, in-band and out-of-band DTMF (in audio, RFC2833, SIP INFO);
Telephony Features	Hold, transfer, forward, 3-way conference, call park, pickup, shared call appearance (SCA)/bridged-line-appearance (BLA), downloadable phone book (XML, LDAP, up to 2,000 items), call waiting, call log (up to 2,000 records), XML 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
HD Audio	Yes, both on handset and speakerphone
Headset Jack	RJ9 and 2.5mm headset jack
Base Stand	Yes, allow 2 angle positions
Wall Mountable	Yes
QoS	Layer 2 (802.1Q, 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, German, Italian, French, Spanish, Portuguese, Russian, Croatian, simplified and traditional Chinese, Korean, Japanese, etc.
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: 100-240VAC 50-60Hz, Output: +5VDC, 800mA; Integrated Power-over-Ethernet (802.3af); Max power consumption: 2.5W (power adapter)
Physical	Unit dimension: 166mm (W) x 210mm (L) x 81mm (D); Unit weight: 0.8KG; Package weight: 1.3KG
Operating Temperature & Humidity	32–104oF / 0–40oC; 10 - 90% (non-condensing)
Package Content	GXP1450 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; AS/NZS CISPR 22 Class B; AS/NZS C-SPR 24; RoHS; UL 60950 (power adapter)