Grandstream
Innovative IP Voice & Video

GXP2124v2
Enterprise IP Telephone

GXP2124v2 is a next generation enterprise grade IP phone that features 240x120 backlit graphical LCD, 4 line keys with up to 4 SIP accounts, 4 dedicated XML programmable context-sensitive soft keys, 24+4 XML programmable speed-dial/BLF extension keys, dual switched Gigabit Ethernet ports with integrated PoE, 5-way conference, and Electronic Hook Switch (EHS). The GXP2124v2 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 IP PBX/Soft Switch/IMS platforms. It is an ideal solution for enterprise users looking for a high quality, feature rich multi-line IP phone with many extension keys.

Feature Highlights

- 240x120 pixel backlit graphical LCD display with up to 8 level grayscale
- 4 line keys with up to 4 SIP accounts, 4 XML programmable context-sensitive soft keys, and up to 32 call appearances with 24+4 speed-dial/BLF extension keys with dual-color LED.
- 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 500 records), up to 5-way conference
- Built-in personalized application service (e.g., local weather, stock, currencies, etc), flexible LCD content customization using XML
- Dual switched 10/100/1000 Mbps Gigabit Ethernet ports with integrated PoE; supports Electronic Hook-Switch (EHS)
- Automated provisioning using TR-069 or encrypted XML configuration file, TLS/SRTP/HTTPS for advanced security protection, 802.1x for media access control

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GXP2124v2 Technical Specifications

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, 802.1x, LLDP, LDAP, TR-069, TLS, SRTP, IPV6
Network Interfaces	Dual switched 10/100/1000 Mbps Gigabit Ethernet ports with integrated PoE
Graphic Display	Back-lit 240x120 graphical LCD display with up to 8 level grayscale
Feature Keys	4 line keys with up to 4 SIP accounts, 4 XML programmable context sensitive soft keys, 24+4 speed-dial/BLF extension keys with dual-color LED, 5 navigation/menu keys, 9 dedicated function keys for: MUTE, PHONEBOOK, MESSAGE (with LED indicator), HEADSET, TRANSFER, CONFERENCE, SEND/REDIAL, SPEAKERPHONE, VOLUME
Voice Codec	Support for G.723.1, 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)
Telephony Features	Hold, transfer, forward, 5-way conference, busy-lamp-field (BLF), 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 500 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, supporting EHS (Electronic Hook-Switch) with Plantronics headsets
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, Chinese, Korean, Japanese
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 3W (power adapter) or 3.5W (PoE)
Physical	Dimension: 222mm (W) x 210mm (H) x 93mm (D); Unit weight: 0.98KG; Package weight: 1.63KG
Temperature and Humidity	0 ~ 40°C (32 ~ 104°F), 10 ~ 90% (non-condensing)
Package Content	GXP2124v2 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 CISPR 24, RoHS; UL 60950 (power adapter)