Product Name: Grandstream GXP1450 HD IP Phone
Manufacturer: Grandstream
Model Number: GXP1450

Grandstream GXP1450 VoIP Phone
The Grandstream GXP1450 is a VoIP phone that features 2 SIP accounts, a 180x60 backlit graphical LCD screen, 3 XML programmable context-sensitive soft keys, dual network ports with integrated PoE, and 3-way conference. The GXP1450 is feature rich and and comes at an affordable cost.
Grandstream GXP1450 Key Features

• 180 x 60 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 500 contacts) and call history (up to 500 records)
• Automated personal information service (e.g. local weather, etc.), personalized music ring tone/ring back tone, flexible customisable screen content & format using XML and advanced Web and enterprise applications integration
• 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

Grandstream GXP1450 IP Phone Technical Specifications
Protocols and Standards

• SIP RFC2361
• 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 180 x 60 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.711u/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
• 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)
• 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.

Upgrades and 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: 186mm (W) x 210mm (L) x 81mm (D)
• Unit weight: 0.8kg
• Package weight: 1.3kg

Temperature and Humidity

• 32-1047°F / 0-40°C
• 10-90% (non-condensing)

Package Content

• Grandstream GXP1450 IP 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)

Price: £41.03