Alcatel-Lucent Enterprise H3P/H3G DeskPhone

A cost-efficient and high quality large display

The Alcatel-Lucent Enterprise H3P/H3G Series are a set of high-performance, entry-level wired deskphones. The H3P/H3G series supports the open SIP protocol to provide users with rich communication functionality.

In addition to its stylish and professional design, the H3P/H3G series represents another step in Alcatel-Lucent Enterprise's push for enhanced audio quality. The deskphones are equipped with a suite of full-duplex and high-def broadband audio components that deliver a vivid and crisp audio experience.

Both the H3P and H3G are configured with a 2.8-inch backlit black-and-white display that can fit up to 4 lines of text, and support up to 1000 contacts and call logs. The phones also come with a multi-angle adjustable stand designed to meet user needs across various scenarios.

The H3P/H3G series is highly compatible with mainstream SIP platforms such as Broadsoft and Metaswitch.

Both phones support the use of an external power supply and Power over Ethernet (PoE).

The H3P/H3G series is compatible with ALE Easy Deployment Server (EDS) and Easy Provisioning Server (EPS), providing easy large-scale configuration and deployment.

Features	Benefits
Cost-effective and large display	The large 2.8-inch black and white screen features an optimized human-machine interface to deliver more comfortable user experiences at excellent price performance.
Superior performance	Equipped with a high-performance processor that runs smoothly, powers up in seconds, and provides 5-way conferencing for a more efficient work experience.
HD audio quality	Optimized components, tuned parameters, multiple codecs, and superior wideband audio quality ensures crisp and comfortable calls in handset, handsfree, and headset modes.
Energy efficient and environmentally friendly	Features a streamlined and optimized power supply design with support for PoE power saving, greatly reducing O&M costs.
Effortless deployment	Compatible with ALE's mature Easy Deployment Server (EDS) and Easy Provisioning Server (EPS), saving on manpower costs with easy large-scale configuration and deployment.

Technical Specifications

Physical Characteristics

- Dimensions (L x W x H):
  214 mm x 191 mm x 47 mm
- Weight: 795 g
  (with handset and stand)
- Color: Gray
- H3P/H3G 2.8-inch, 132 x 64 black
  and white display with backlight
- Adjustable stand: 45° & 50°
- Wall mountable (optional accessory)

Keys

- 3 LED line keys
- 4 menu keys
  (corresponding to display)
- Volume keys (+ and -)
- 4-way navigation, along with return
  and confirm keys
- 9 function keys: handsfree, mute,
  info, headset, hold, transfer,
  conference, redial, and hang up
- Standard dial pad

Telephony Features

- 3 SIP accounts
- Incoming/outgoing/rejected
- Call forwarding
- Call waiting
- Call hold/resume
- Redial
- Speed dial
- Mute/unmute
- Do not disturb (DND)
- Auto answer
- Voicemail
- Local 5-way conference
- Call Log (1000 entries)
- Contacts (1000 entries)

Audio Characteristics

- Full-duplex handsfree
- High-def broadband
- Codec: Opus (NB and WB),
  G.722, ILBC, G711 (a-law and u-law),
  G.729AB
- Voice Activity Detection (VAD)
- Comfort Noise Generation (CNG)

- Acoustic Echo Cancellation (AEC)
- DTMF: In-Band, RFC 2833/4733,
  SIP info
- Hearing Aid Compatible (HAC)

Power

- Power over Ethernet (IEEE 802.3af),
  Class 1
- Power adapter: 5V/2A DC output
  (optional)

Connectivity

- RJ-45 100M Ethernet Port (H3P)
- RJ-45 1000M Ethernet Port (H3G)
- RJ-9 handset connector
- RJ-9 headset connector

Network, Security, and Other Protocols

- SIP V2: RFC 2474, 2833, 3261,
  3263, 3264, 3265, 3325, 3550,
  4566, 4568, 5359, 6086, etc.
- Static IP and DHCP
- IPv4
- IEEE 802.1AB/LLDP-MED
- QoS: 802.1p/Q tagging (VLAN),
  Layer 3 TOS, DSCP
- TFTP/HTTP/HTTPS/TR069
- OPENVPN, 802.1x
- Authentication: basic or digest
- Denial-of-service (DoS) attack
  prevention
- TLS 1.2/1.0 and SRTP support
- Ships with X509v3 certificate,
  with support for client certificate
  installation

Configuration

- Web-based management, phone
  configuration, and automated
  configuration
- ALE Easy Provisioning Server (EPS)
- ALE Easy Deployment Server (EDS)

Languages

- Multi-language menu support:
  Simplified Chinese, Traditional
  Chinese, English, French, German,
  Italian, Korean, Portuguese, and
  Spanish

Regulatory Standards

Security

- IEC 62368-1:2014,
  ANSI/UL 62368-1-2014,
  CAN/CSA-C22.2 NO. 62368-1-14

EMC

- EN 55032, CISPR 32
- EN 55024, CISPR 24
- EN 61000-3-2, EN 61000-3-3
- 47 CFR Part 15 B Subpart B
- ICES-003 Issue 6

Telecommunications Standards

- TIA/EIA 810-B, TIA 920.130-A-1,
  AS/CA S004

Eco Design

- ErP 2009/125/EC,
  WEEE 2012/19/EU
- ROHS 2011/65/EU,
  China RoHS 2.0: GBT 26572-2011
- REACH (EC1907/2006)
- Proposition 65
- Packaging: EU 94/62/EC

Hearing Aid Compatibility

- FCC 47 CFR Part 68, CS-03,
  AS/ACIF S040

Environmental Conditions

- Operating temperature: -5°C to +45°C
- Relative humidity: 5% to 95%
- Storage/transportation temperature:
  -25°C/+70°C

Accessories

- External power supply
- Wall mounting kit
- Alcatel-Lucent Enterprise AH
  11GA/12GA headset

Packaging

- H3P/H3G DeskPhone
- Wired HD wideband handset
  and cable
- Phone stand
- 1.5 m network cable (cat5e)
- Quick Start Guide

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