Alcatel-Lucent Enterprise H3G DeskPhone

A cost-efficient and high quality large display

The Alcatel-Lucent Enterprise H3G is a high-performance, entry-level wired deskphone. It supports the open SIP protocol to provide users with rich communication functionality.

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

The H3G DeskPhone is 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 phone also comes with a multi-angle adjustable stand designed to meet user needs across various scenarios.

The H3G DeskPhone is highly compatible with mainstream SIP platforms such as Broadsoft and Metaswitch.

The H3G supports the use of an external power supply and Power over Ethernet (PoE) mode (Class 1).

The phone is compatible with ALE Easy Deployment Server (EDS) and Easy Device Management (EDM), 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 Operational & Maintenance (O&M) costs
Effortless deployment	Compatible with ALE's mature Easy Deployment Server (EDS) and Easy Device Management (EDM), saving on manpower costs with easy large-scale configuration and deployment

Technical Specifications

Physical Characteristics

- Height: 214mm (8.4 inches)
- Width: 191mm (7.5 inches)
- Depth: 47mm (1.8 inches)
- Weight: 795g (1.54 lbs)
  (with handset and stand)
- Colour: Gray
- Adjustable stand: 45° & 50°
- Wall mountable (optional accessory)

Display

- 2.8-inch, 132 x 64 black and white display with backlight

Keys

- 2 LED line keys + 1 page turn key
- 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
- Call forward, call waiting, call transfer, call hold/resume, redial
- Mute/unmute, voicemail, DND, auto answer
- Local 5-party conference
- Call Log (1000 entries)
- Contacts (1000 entries)

Audio Characteristics

- Full-duplex handsfree
- G.722, OPUS, iLBC
- G711 (A-law and Mu-law), G.729AB, G.726
- Voice Activity Detection (VAD) , Comfort Noise Generation (CNG), Acoustic Echo Cancellation (AEC), Noise Suppression
- DTMF: In-Band, RFC2833, SIP INFO
- Hearing Aid Compatible (HAC)

Power

- Power over Ethernet (IEEE 802.3af), Class 1
- Power consumption idle/active: 0.98W/3.2W
- Power adapter: 5V/2A DC output (optional)

Connectivity

- RJ-45 LAN: 10/100/1000M Ethernet
- RJ-45 PC through 10/100/1000M
- RJ-9 handset connector
- RJ-9 headset connector

Network and protocols

- SIP V2: RFC 2474, 2833, 3261, 3263, 3264, 3265, 3550, 4566,5359,6086, etc.
- Static IP and DHCP
- IPv4/IPv6
- LLDP-MED QoS: 802.1p/Q tagging (VLAN), Layer 3 TOS, DSCP
- TR069

Configuration

- Web-based management, phone configuration, and automated configuration
- ALE Easy Deployment Server (EDS)
- ALE Easy Device Management (EDM)

Security

- H series support OpenVPN
- Authentication: Basic or digest, 802.1x
- Denial of service (DoS) attack protection: Flooding
- ARP Spoofing protection
- Transport: TLS 1.2/1.0 and SRTP
- Shipped with (X509v3) certificate installed
- Certificates for 802.1x EAP-TLS (either Alcatel-Lucent or customer certificates)
- Supporting SHA2 ALE Certificate, SCEP, OpenVPN

Languages

- Multi-language support (menu): Arabic, Chinese (simplified), Chinese (traditional), Czech, Danish, Dutch, English (American), English (British), Estonian, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Korean, Latvian, Lithuanian, Norwegian, Polish, Portuguese, Russian, Slovak, Slovenian, Spanish, Swedish, Turkish

Regulatory Standards

Safety

- 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
- FCC 47 CFR Part 15 B Subpart B
- ICES-003 Issue 6
- Telecom
- 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: GBT 26572-2011
- REACH: European regulation: N° 1907/2006
- Proposition 65
- Packaging: EU Directive 94/62/EC

Hearing Aid Compatibility

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

Environmental Conditions

- Operating temperature: -5°C to +45°C
- Relative humidity: 5% to 95%
- Storage/transportation temperature: -25°C/+70°C
- IP Class: IP52

Ordering Information

- 3MK27011AA H3G Deskphone

Accessories

- 3MK08006EU external power adapter (EU)
- 3MK08006UK external power adapter (UK)
- 3MK08006US external power adapter (US)
- MK08006AU external power adapter (AU)
- 3MK08006IN external power adapter (IN)
- MK08004AA wall mounting kit

Packaging

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

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