H2/H2P DeskPhones from Alcatel-Lucent Enterprise

The H2 and H2P DeskPhones from Alcatel-Lucent Enterprise are newly designed SIP devices that offer a rich communications experience at a competitive price, with a modern design.

These compact DeskPhones include wideband audio with fine-tuned double talk performance and echo cancelling. They provide a backlit screen supporting 4 lines of text, a directory of up to 1000 contacts, as well as call logs that allow user to easily contact colleagues and customers.

The user experience is enhanced with a navigation button and 4 menu keys. H2 and H2P DeskPhones also include an adjustable foot stand making them ideal for small huddle rooms, open offices or hotel rooms.

The standard SIP protocol provides the rich telephony features supported by the major open SIP servers in the market.

The H2P DeskPhone can operate in Power over Ethernet (PoE) mode (Class 1).

Features	Benefits
HD audio quality	Wideband audio quality in both handset and hands-free mode; excellent double talk performance in hands-free mode
User-friendly interface and 2.3» balcklit screen	Easily connect with colleagues or customers
Dedicated Headset port	Connect a headset for additional communications comfort
Compact phone with adjustable foot stand	Perfect for small desks, hotel rooms and hospital bedsides
Rich telephony features with standard SIP protocol	Benefit from business features such as call management and conference, provided by your preferred cloud PBX provider
Effortless Deployment	Benefit from ALE Easy Deployment Server (EDS), and Easy Provisioning Server(EPS); very easy to configure and deploy

Technical specifications

Physical characteristics
- Height: 205mm (8.1 inches)
- Width: 181mm (7.1 inches)
- Depth: 47mm (1.9 inches)
- Weight: 700g (1.54 lbs) incl. handset and foot stand
- Color: Gray
- Adjustable foot stand: 45° and 50°
- Wall mountable

Display
- Visible area: 2.3 inches graphical black/white 128x64 LCD with backlight
- Viewing area (WxH): 53.2x25.8mm (2.1x1.0 inches)

Keys
- 2 Line keys (Line 1/2) with LED
- 4 menu keys
- Volume control keys (+ and -)
- Navigator: 4 way navigation + OK
- Hands-free, mute and message keys
- Call hold, call transfer and redial key
- Dial pad

Telephony features
- 2 SIP accounts
- Call forward, call waiting, call transfer, call hold/resume, redial
- Mute/unmute, voicemail, DND, auto answer
- Local 3-party conference
- Call log (1000), local contacts (1000)

Audio characteristics
- G.722, OPUS, iLBC
- G711 (A-law and Mu-law), G.729AB
- VAD (Voice Activity Detection), Comfort Noise Generation (CNG)
- Acoustic echo cancellation
- DTMF: In-Band, RFC2833, SIP INFO
- Hearing Aid Compatible (HAC)

Power
- H2P: Power over Ethernet (IEEE 802.3af), Class 1
- External Power supply: 5V/0.6A (Optional accessory)

Connectivity
- RJ-45 LAN: 10/100M Ethernet
- RJ-45 PC through 10/100M Ethernet switch
- RJ-9 connector for corded handset
- RJ-9 connector for headset

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

Configuration
- Web-based management
- ALE Easy Provisioning Server (EPS)
- ALE Easy Deployment Server (EDS)

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

Languages
- Multi-language support (menu): Arabic, Chinese (simplified), Chinese (traditional), Dutch, English, French, German, Hebrew, Hungarian, Italian, Korean, Portuguese (Brazil and Portugal), Russian, Spanish, Swedish and 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

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

Packaging
- H2/H2P DeskPhone
- Wired wideband handset
- Foot stand
- 3m Ethernet cable (cat5e)
- Safety sheet
- Quick user guide

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