

# ALE-2 SIP model

The ALE-2 DeskPhone SIP model is a high-performance, entry-level wired DeskPhone that is part of the Basic range of ALE DeskPhones. It supports the open SIP protocol to provide users with rich communications functionality.

Both the handset and speakerphone offer wideband audio, ensuring clear communications for improved focus and interaction during important conversations.



The ALE-2 is configured with a 2.8-inch backlit, black-and-white display that can accommodate up to four lines of texts and support up to 1000 contacts and call logs. The five-way conferencing, local directory, and three separate lines make it easy for all departments to communicate. This phone is compliant with the interoperable SIP standard and offers secure communications for remote workers using a SIP Session Border Controller.

Manage calls easily and quickly using the contextual menus and four-way navigation. Never miss calls with the 1000-entry call history. The ALE-2 is fully compatible with Alcatel-Lucent OmniPCX® Enterprise, Alcatel-Lucent OXO Connect, Rainbow™ Hub by Alcatel-Lucent Enterprise and Rainbow Office powered by RingCentral.

The ALE-2 business phone supports the use of an external power supply and Power over Ethernet (PoE). This SIP phone is compatible with the 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 optimised human-machine interface to deliver more comfortable user experiences at an excellent price performance.
Call management	Manage calls easily and quickly using the contextual menus and four-way navigation. Never miss calls with the 1000-entry call history.
HD audio quality	Both the handset and speakerphone offer wideband audio for improved focus and interaction during important conversations.
Interoperable with SIP standard	This phone is compliant with the interoperable SIP standard and offers secure communications for remote workers using a SIP Session Border Controller.
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)
  - Colour: Grey
  - 2.8-inch, 132 x 64 black and white display with backlight
  - Adjustable stand: 45° and 50°
  - Wall mountable (optional accessory)

### Keys

- 3 LED line keys
- 4 menu keys
- 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 Consumption (Power Over Ethernet) idle/active: 1W/2W
- Optional Power adapter: 5V/2A DC output

### Connectivity

- RJ-45 Dual-gigabit Ethernet Port
- 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, and more
- 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/EN 62368-1, UL/CSA 62368-1

### EMC

- EN 55032 class B, CISPR 32 class B
- EN 55024, CISPR 24
- EN 55035, CISPR 35
- EN 61000-3-2, EN 61000-3-3
- 47 CFR Part 15 B Class B
- ICES-003 Class B

### Telecommunications standards

- TIA/EIA 810-B, TIA/EIA 920, AS/CA S004

### Eco Design

- ErP 2009/125/EC, WEEE 2012/19/EU
- ROHS 2011/65/EU, China RoHS: GBT 26572
- REACH (EC)1907/2006
- Packaging: 94/62/EC

### Hearing aid compatibility

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

### Environmental conditions

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

### Product and accessories

- ALE-2 DeskPhone 3MK27013AA
- External power supply 3MK37001xx
- Wall mounting kit 3MK27015AA
- Alcatel-Lucent Enterprise headset
  - RJ9 Monaural AH 11G 3MK08007AA
  - RJ9 Binaural AH12G 3MK08008AA

### Packaging

- ALE-2 SIP DeskPhone
- Wired HD wideband handset and cable
- Phone stand
- Safety Sheet