ALE DeskPhones
Essential range

The ALE DeskPhones Essential range offers a rich communication experience with Alcatel-Lucent Enterprise solutions. The four models – ALE-20, ALE-20h, ALE-30 and ALE-30h – include a compact design and intuitive navigation.

These rich-featured models offer the best price-performance ratio. Enjoy wideband audio quality from the handset or in hands-free mode. USB-A and USB-C ports allow you to conveniently connect a headset.

With a large display, software keys and a four-way navigation button, the Essential DeskPhones simplify the user experience. Quickly and easily contact colleagues and customers by using the optional alphabetic keyboard.

The ALE-20h and ALE-30h offer hybrid digital and IP connectivity, and allow you to leverage your existing infrastructure, while evolving with your needs. Make a smooth transition from digital to IP while protecting your investment. Deploy securely the Essential range in any business environment, from on premises PBX, to cloud deployment on Alcatel-Lucent Enterprise servers.

You can deploy the phones at home or in the office on ALE communication servers. The ALE-20 and ALE-30 models include two RJ-45 Gigabit Ethernet ports. The ALE-20h and ALE-30h models integrate an RJ-45 IP and digital port with automatic detection mode.

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<th>Features</th>
<th>Benefits</th>
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<tr>
<td>ALE business communications</td>
<td>Access all ALE communication platforms' rich and innovative services.</td>
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<tr>
<td>Digital and IP hybrid phones (ALE-20h/ALE-30h)</td>
<td>Leverage your existing infrastructure and make a smooth transition to IP while preserving your investment. Long range (up to 800m) deployment on a single pair in digital mode.</td>
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<tr>
<td>Compact design</td>
<td>Use in open spaces, hotel and hospital rooms, or cruise ship cabins.</td>
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<td>Wideband audio quality (ALE-20 / ALE-30, ALE-20h and ALE-30h in IP mode)</td>
<td>Manage your conversations comfortably from the handset and headset, or in hands-free mode.</td>
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<td>Alphabetic keyboard</td>
<td>Connect easily with your colleagues with an alphabetic keyboard, available as an option.</td>
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<td>USB-A and USB-C ports</td>
<td>Plug in a headset for your daily long conversations, or add-on module (EM200), up to 3 supported.</td>
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<tr>
<td>Power consumption</td>
<td>Enjoy low power consumption in digital or IP with class1 PoE</td>
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<tr>
<td>Zero touch deployment on ALE solutions</td>
<td>Save time when deploying and operating phones in different configurations, for Alcatel-Lucent OXO Connect, Alcatel-Lucent OXO Connect Evolution, Alcatel-Lucent OmniPCX® Enterprise. VPN Client configuration with EDS Server.</td>
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<td>Models</td>
<td>ALE-20</td>
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<td>Key highlights</td>
<td>2x Gigabit Ethernet, USB-A/C</td>
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<td>Screen</td>
<td>Backlite 2.8” in.</td>
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<td>Colour</td>
<td>3.5” in.</td>
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<td>Connectivity</td>
<td>USB-A</td>
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<td>USB-C</td>
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<td>RJ-45 FE/GE</td>
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<tr>
<td>RJ45 PC port</td>
<td>•</td>
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<tr>
<td>RJ9 headset/keyboard</td>
<td>-/-½²</td>
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<td></td>
<td>Color expansion module³ (Up to 3 EM200)</td>
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<td></td>
<td>Wall mounting kit</td>
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<tr>
<td>Power supply</td>
<td>PoE Power over Ethernet</td>
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<tr>
<td></td>
<td>PoDL Power over Digital Line</td>
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<td>USB-C local power adaptor (option)</td>
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<td>Power consumption idle/active (without USB)</td>
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</table>

1 ALE-30 available in Q1/2024
2 Only on 3ML37020BB & 3ML37020BA
3 Optional power adaptor required depending on context digital or IP

* = included  o = optional
Datasheet
ALE DeskPhones Essential range

Technical specifications

Physical characteristics
• Height: 183 mm (7.2 inches)
• Width: 207 mm (8.2 inches)
• Depth: 35 mm (1.4 inches)
• Weight: 806 g (1.78 lb) including handset and stand
• Colour: Grey
• Adjustible feet: 40° and 55°
• Wall mounting kit

Display
• ALE-20 and ALE-20h: 2.8 inch black and white LCD 64 x 128 pixels, white backlight
• ALE-30 and ALE-30h: 3.5-inch colour LCD 240 x 320 pixels

Keys
• Navigator: 4-way navigation, OK and cancel keys
• Contextual keys with Leds:
  ▼ ALE-20 and ALE-20h: 2 x 3
  ▼ ALE-30 and ALE-30h: 2 x 5
• Function keys: Line hook, dial-pad, mute with LED, volume +/- keys, hands-free with LED, 2 personal keys with LED, redial, info and message with LED
• Softkeys:
  ▼ OmniPCX Enterprise: Up to 72 softkeys
  ▼ OXO Connect and OXO Connect Evolution: Up to 40 softkeys

Connectivity
• ALE-20 and ALE-30:
  ▼ RJ-45 LAN port: Gigabit Ethernet 10/100/1000
  ▼ RJ-45 PC port: 10/100/1000 Gigabit Ethernet switch
• ALE-20h and ALE-30h:
  ▼ RJ-45 port: Fast Ethernet 10/100 or UA digital line
• ALE-20/20h, ALE-30/30h:
  ▼ RJ-9 port for optional alphabetic keyboard and debugging
  ▼ RJ-9 port for the corded handset
  ▼ 1 x USB-C
  ▼ 1 x USB-A (5V, 100mA)
  ▼ Up to 4.5W (5V, 900mA) in Power Boost mode support or with local power adaptor

Power supply
• Power over Ethernet (IEEE 802.3af) class1
• Optional 5V/2A USB-C power adapter
• Optional 5V/3A USB-C PD power adapter
• ENERGY STAR® certified

ALE-20:
• Power over Ethernet (PoE)
• Power consumption idle/active (without USB): 1.2W/1.6W

ALE-20h:
• Power over Digital Line (PoDL)
• Power over Ethernet (PoE)
• Power consumption (idle/active (without USB): 0.8W/1.1W

ALE-30:
• Power over Ethernet (PoE)
• Power consumption in standby/active mode (without USB): 1.2W/1.8W

ALE-30h:
• Power over Digital Line (PoDL)
• Power over Ethernet (PoE)
• Power consumption in standby/active mode (without USB): 0.8W/1.2W

Audio features
• Wideband comfort handset, headset, and hands-free
• Hearing aid compatible (HAC)
• Full-duplex hands-free
• Acoustic echo cancellation
• OPUS codec (NB and WB)
• G722
• G711 (A-law and Mu-law)
• G729 AB

ALE-20h and ALE-30h:
• G711 (A-law and Mu-law)
• Voice activity detection (VAD)
• Comfort noise generation (CNG)
• In IP mode:
  ▼ OPUS codec (NB and WB)
  ▼ G722
  ▼ G711 (A-law and Mu-law)
  ▼ G729 AB

Network and provisioning
• ALE-20/ALE-30 and ALE-20h/ALE-30h in IP mode:
  ▼ DHCP and static IP:
    ▼ Manual configuration
    ▼ Dynamic Host Configuration Protocol (DHCP) network setup
  ▼ IPv4/IPv6
  ▼ QoS support:
    ▼ IEEE 802.1p/Q tagging (VLAN)
    ▼ Layer 3 TOS and DSCP
    ▼ QoS tickets
  ▼ LLDP-MED: IEEE 802.1 AB/LLDPMED client
    ▼ automatic VLAN acquisition
    ▼ PoE management
    ▼ inventory information
  ▼ Energy Efficient Ethernet 802.3 az support

Protocols and business communications
• ALE-20/ALE-30 and ALE-20h/ALE-30h in IP mode: IP-NOE
• ALE-20h and ALE-30h IP mode: NOE-UA
• Access to all ALE communication features from:
  ▼ OmniPCX Enterprise Communication Server
  ▼ OXO Connect
  ▼ OXO Connect Evolution: IP mode only

Open application platform
• XML application support (NOE-IP)
• Corporate directory access using LDAP1

Security
• ALE-20/ALE-30 and ALE-20h/30h in IP mode
• Authentication: Basic or digest, 802.1x
  ▼ 802.1x Message Digest 5 (MD5)/ TLS: For authentication, client certificate management with centralized deployment
  ▼ Denial of Service (DoS) attack protection: Flooding
  ▼ ARP spoofing protection
• Transport: TLS 1.2 and SRTP
• Encryption and authentication of signalling traffic
  ▼ Media traffic encryption
  ▼ SCEP Support
• Shipped with X509v3 certificate installed.
• Certificates for 802.1x EAP-TLS (either Alcatel-Lucent Enterprise or customer certificates) for Native Encryption (NOE-DTLS support).
• IP-Sec VPN support

Languages
• Multi-language support (menu): Arabic, Catalan, Chinese (simplified), Chinese (traditional), Croatian, Czech, Danish, Dutch, English, Australian English, US/Canada English, Estonian, Finnish, Flemish, French, Canadian French, Swiss French, German, Austrian German, German, Greek, Hebrew, Hungarian, Italian, Italian Swiss, Japanese, Korean, Latvian, Lithuanian, Norwegian, Polish, Portuguese, Brazilian Portuguese, Romanian, Russian, Serbian, Slovak, Slovenian, Spanish, Swedish, Taiwanese, Thai, Turkish, Valencian.

Regulatory standards
• Safety
  ▼ IEC/EN 62368-1
  ▼ UL/CSA 62368-1
• EMC
  ▼ EN 55032 Class B
  ▼ 47 CFR Part 15 B Class B

1 available in further release
Configuration examples

ALE-20/20h DeskPhone with ALE-10 Qwerty Keyboard and EM200 Expansion module

ALE-30/30h DeskPhone with ALE-10 Qwerty Keyboard and EM200 Expansion module

Environmental conditions
- Temperature: -5°C to +55°C
- Relative humidity: 5% to 85%.
- Storage temperature: -25°C/+70°C
- IP class: IP22

Maintenance
- Syslog mode, Port mirroring

Product ships with
- DeskPhone with handset and stand
- Safety sheet

Ordering information
- ALE-20 3ML37020BB
- ALE-30 3ML37030AB
- ALE-20h 3ML37020BA
- ALE-30h 3ML37030AA

Accessories
- 3ML37010FR ALE-10 keyboard AZERTY
- 3ML37010DW ALE-10 keyboard QWERTY
- 3ML37010DE ALE-10 keyboard QWERTZ
- 3MK2707AA Expansion module EM200
- 3MK2708AA Wall mounting kit
- 3MK08005xx 5V/2A USB-C Power Adapter
- 3ML37190xx 5V/3A USB-C PD Power Adapter
- 3AK21492AB 3M Ethernet cable cat5 (x10)
- 3ML37001AA 3M cat3 telephony cable RJ45-RJ11 (x10)
- 3ML37005AA Spare handset
- Wired headsets:
  - 3MK08018AA AH 21 M II premium headset monaural 3.5mm Jack/USB-A/C
  - 3MK08014AB AH 22 M II premium headset binaural 3.5mm Jack/USB-A/C
- Wireless headsets:
  - 3MK37008AA AH80 BT headset with USB-A dongle