Alcatel-Lucent Enterprise ALE-120 Key Expansion Module

The Alcatel-Lucent Enterprise ALE-120 Key Expansion Module is a stylish accessory with colour screens that extends the functionality of Alcatel-Lucent Enterprise DeskPhones.

Monitor all your customer service lines at-a-glance with up to 24 programmable hard keys with LEDs for each virtual page. Able to display up to three virtual pages, the module is connected and powered by the phone's USB-C port or via a local power adapter[1].

ALE-120 Key Expansion Module

Colour screens are easy to read, and programming of keys is done electronically to simplify administration. The ALE-120 is supported on Alcatel-Lucent Enterprise DeskPhones (ALE-300, ALE-400 and ALE-500) connected to ALE communications systems using proprietary mode (NOE) or SIP.

Features	Benefits
Two 2.8-inch colour displays	Easy to read with advanced customisation (personalised skins, background, font color and more)
2x 12 built-in hard keys with LEDs, direct page selection using the touch smart pad at the bottom of the screen	Up to 3 virtual pages per ALE-120 Key Expansion Module on OmniPCX® Enterprise and up to 2 pages on OXO Connect and OXO Connect Evolution
Easy management	The keys can be managed centrally for easy maintenance on ALE communications systems
Powered by set	Module is connected and powered through a dedicated USB-C port on the back of the DeskPhones[1]
Daisy chain	Up to 3 expansion modules supported to increase physical key capacity

1 Optional power adapter required depending on context

Technical specifications

Physical characteristics
- Height: 214 mm (8.4 inches)
- Width: 110 mm (4.3 inches)
- Depth: 155 mm (6.1 inches)
- Weight: 780g (1.72 lb) including foot
- Colour: Neptune[1]
- Adjustable foot stand: 0° to 60°

Display
- 2x 2.8-inch colour LCD
- 240x320 pixels

Keys
- 2x 12 hard keys with LED
- 1 smart pad with page indicator

Connectivity
- 3x USB-C ports
  - ¬ Left USB-C port to connect to DeskPhone or another module connected to DeskPhone
  - ¬ Middle USB-C port supporting external power adapter (5V/3A)
  - ¬ Right USB-C port for connection to another module, USB headset, USB memory stick or BT dongle
- Daisy chain, up to 3 ALE-120 expansion modules with external power adapter

Working environment
- Operating temperature: -5°C to +55°C
- Relative humidity: 5% to 85%
- Storage temperature: -25°C to +70°C
- IP Class: IP22

Programmable keys
- OmniPCX Enterprise, up to 72 keys (NOE)
  - ¬ Standalone, up to 3 pages
  - ¬ Daisy chain, 1 page per ALE-120
- OXO Connect, OXO Connect Evolution, up to 144 keys
  - ¬ Up to 2 pages per ALE-120

Protocols and advanced communications
- IP NOE or SIP[2]
- OmniPCX Enterprise
- OXO Connect, OXO Connect Evolution

Safety
- IEC/EN 62368-1
- UL/CSA 62368-1

EMC
- EN 55032 Class B
- 47 CFR Part 15 B Class B
- ICES-003 Class B
- EN 55035
- EN 61000-6-1 (Immunity for residential and commercial environments)
- EN 61000-6-2 (Immunity for industrial environments)
- EN 61000-6-3 (Emission for residential and commercial environments)
- EN 61000-6-4 (Emission for industrial environments)
- IEC 60945 (Maritime)
- IEC 62236-4 (Railway)
- EN 61000-3-2
- EN 61000-3-3

Power
- Power consumption idle/active (without USB): 1.1W – 1.4W
- DeskPhone with ALE-120 requires power boost mode[3]
- Single ALE-120 powered by set, additional ALE-120s require USB-C power supply 5V/3A[4]

Eco design
- RoHS 2011/65/EU
- China RoHS GB/T 26572
- WEEE 2012/19/EU
- REACH 1907/2006
- POP 2019/1021

Ordering information
- 3ML37120AB ALE-120 Key Expansion Module

Accessories
- 3ML37190xx 5V/3A USB-C PD power adapter
- 3ML37145AB ALE-145 grey customisation kit
- 3ML37145AC ALE-145 blue customisation kit
- 3ML37145AD ALE-145 red customisation kit
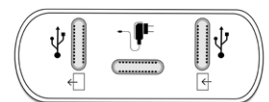
Product ships with
- ALE-120 Key Expansion Module (default colour, Neptune)
- 1x foot clip
- 1x lock clip
- 1x USB-C to USB-C cable
- Safety and regulatory instruction

ALE-400 with ALE-120 NOE mode

ALE-120 with ALE-145 colour customisation kit

ALE-120 rear panel
3x USB-C ports

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1 Neptune default colour
2 ALE-120 in SIP mode support in later release
3 DeskPhone in power boost mode rated class 3 or requires external power supply
4 Please refer to Technical Communication TC3009

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