Alcatel-Lucent 8018 DeskPhone

Today's business leaders need communication technologies that empower employees to deliver an outstanding service, and can lead to company growth. Industries such as hospitality and healthcare are looking for cost-effective ways to offer an exceptional in-room communication experience to guests and patients. Built on the success and practicality of the Premium DeskPhone line, the new ecofriendly Alcatel-Lucent 8018 DeskPhone offers feature rich IP telephony in a highly optimized format. This entry-level phone offers companies a modern business-grade design with the advanced user-friendly telephony features provided by Alcatel-Lucent Enterprise communications servers.

Its three-line screen – combined with application, programmable, and navigation keys – provides outstanding user-friendly communications with fast access to the business' directory for enhanced efficiency of employees. The 8018 DeskPhone complements the Premium DeskPhone product line targeting the need for essential and enriched 8018 DeskPhone communications.

8018 DeskPhone

Features

- Business grade design
- IP telephony
- Full-duplex speakerphone
- Wideband device
- Advanced telephony features
- 6 softkeys
- 4 ways navigator
- Programmable keys
- Lighted keys and notifications (Incoming call, message, audio control, programmable keys)
- 128x64 backlit B&W graphical display
- Supports 802.3az
- Power Over Ethernet Class 1 for low power consumption
- Customizable clip and faceplates
- Reduced footprint/size
- Dual stack NOE & SIP protocol
- IPV4/IPV6
- Interoperability with Third Party SIP Servers
- OXE SIP Business support

Benefits

- Modern design enriching the range
- Perfect for required and supplemental IP telephony needs
- A good-value deskphone with a complete PBX-feature set
- Premium quality, intuitive and compact design
- Direct access to a variety of services (i.e., welcome desk, reception, room service, nurse, emergency button, and more)
- User-friendly, easy-to-use interface with multiline graphical display
- Eco friendly with low power consumption
- Display the company, hotel or hospital logo and brand image
- Adapted for hotel and hospital bedside tables

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Technical specifications

Mechanics

- Weight: 675 g (1.48 lbs) including handset
- Depth on a table: 200 mm (7.87 in)
- Depth with wall mounting kit, and handset: 100 mm (3.94 in)
- Width: 164 mm (6.46 in)
- Height: 170 mm (6.69 in)
- Color: Black
- Position foot: 45°

Display

- Visible area: 2.4 inches 128x64 pixels graphical Black/White LCD display.
- Viewing area (WxH): 54.8x28.5 mm (2.15 x 1.12 in)
- Contrast +/-
- LCD white backlit

Connectivity

- RJ-45 LAN: 10/100/1000 Ethernet
- RJ-45 PC through 10/100/1000 Ethernetswitch
- RJ-9 connector for corded handset
- One USB port (1.1/2.0) to connect audioequipment (headset, loudspeaker, handsfree) and for slow smartphone charging

Power

- 802.3af Power over Ethernet (PoE)
- Class 1 support (<3.84 W)
- Power supply: Optional accessory
  The power supply is also a way to boost smartphone charging capacity

Audio

- HD audio
  - ¬ Wideband loudspeaker
  - ¬ Wideband, comfort and wired handset
- Full-duplex speakerphone
- Smart noise reduction
- Group listening
- Acoustic echo cancellation
- HAC (hearing aid compatible)
- G.711(A-law and Mu-law), G.729ab
- G.722
- VAD (voice activity detection)/DTX (discontinued transmission) included for all codec

LEDs, keys and navigation

- Incoming call blinking LED: Back and front visibility
- Pickup/off-hook/call/redial key
- Hang-up/on-hook/end key
- Application keys with a contextual LED management:
  - ¬ Mute
  - ¬ Volume +/Volume -
  - ¬ Audio mode selection: Hands-free, loudspeaker, headset, or handset
  - ¬ Message key
- 4 keys navigation
- OK, cancel keys
- Numeric to alpha keypad: To switch to alpha character and perform dial by name, for example
- F1, F2 (or hold/transfer) with LED
- 4 programmable keys with LED and paper label
- 6 contextual keys around the screen

Network and provisioning

- DHCP and static IP
  - ¬ Manual or dynamic host configuration protocol (DHCP) network setup (RFC2131)
- QoS support
  - ¬ IEEE 802.1p/Q tagging (VLAN), Layer 3 TOS, and DSCP
  - ¬ QoS tickets
- LLDP-MED
- IEEE 802.1 AB/LLDP-MED client (IPv4/IPv6, automatic VLAN acquisition, PoE management, inventory information)
- Energy Efficient Ethernet 802.3 az support

Protocols and advanced telephony

- IP NOE or SIP (RFC 3550, 2833, 3261, 3263, 3264, 3265, 3515, 3892, 3960, 4566, 5359, 6086)
- MLE advanced telephony
  - ¬ Starting with OmniPCX® Enterprise release 11.2.1
  - ¬ Starting with OTBE R2.2
- SMB Advanced telephony
  - ¬ Starting with OmniPCX Office RCE release 10.3
  - ¬ Starting with OXO Connect release 2

Product ships with

3MG27201AA package:

- 8018 DeskPhone
- Safety sheet
- Foot
- Comfort handset
- 2 Plastic covers labeled:
  - ¬ ABC <-> 123 (to substitute to alpha keyboard; to perform dial by name for example)
  - ¬ 2 variants:
    - – WW: F1/F2
    - – US: Hold/Transfer
- Ethernet cable included in 3MG07035AA package

Customization

- Customizable clip (logo printing, company co-branding…)
- Customizable faceplate: Please contact your sales representative.

Security

- Authentication: Basic (RFC2617) or digest (RFC7616), 802.1x
  - ¬ 802.1x Message Digest 5 (MD5)/TLS: For authentication, customer certificates management (with centralized deployment) (RFC1321)
- Denial of service (DoS) attack protection: Flooding

- ARP Spoofing protection
- Shipped with (X509v3) certificate installed
  - ¬ Certificates for 802.1x EAP-TLS (either Alcatel-Lucent or customer certificates)
- Transport Layer Security (TLS) 1.2 standard (RFC5246) and SRTP (RFC3711)
  - ¬ Encryption and authentication of the signaling traffic;
  - ¬ Encryption of media traffic.
- Secure Hash Algorithm (SHA)-2 support
- SSH v2
- IP Sec VPN support

Regulatory standards

Safety

- EN 60950-1, IEC 60950-1, ANSI/UL 60950-1, AN/CSA-C22.2 NO. 60950-1-07

EMC

- EN 55032 Class B, EN 55022 Class B, CISPR22: Class B, 47 CFR Part 15 B Class B, ICES-003 Class B, EN 55024, CISPR24, IEC 61000-6-1 (Residential, Commercial), IEC 61000-6- 2 (Industrial), IEC 61000-6-3 (Residential, Commercial), IEC 61000- 6-4 (Industrial), IEC 60945 (Maritime), IEC 62236-4 (Railway), IEC 61000-3-2, IEC 61000-3-3

Telecom

- TIA/EIA 810-B, TIA/EIA 920
- AS/CA S004 (Australia)

Hearing aid compatibility

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

Eco-design

- ErP 2009/125/EC, ROHS 2011/65/EU, CHINA RoHS GB/T 26572, WEEE 2012/ 19/EU

Environmental conditions

- Operating temperature: -5°C to +45°C *
- Relative humidity: 5% to 95%
- Storage/transportation temperature: -25°C/+70°C
- IEC 60529 (IP Class: IP 20)

Accessories

- 3MG27210AA: Wall mounting kit
- 3MG27006xx: Power supply x4
- Ethernet cable:
  - ¬ 8018 is compliant with CAT-5e shielding Ethernet cable and more.
  - ¬ Width of Ethernet cable head < 13.5mm
  - ¬ 3AK21492AA: Straight Ethernet cable RJ45/RJ45, 3 m length
- 3GV28057xx: Binaural USB-jack 3,5mm Headset
- Spare parts
  - ¬ 3MG27211AA: Customizable clip (x10)
  - ¬ 3MG27212AA: paper label cover (WW variant) x10
  - ¬ 3MG27213AA: paper label cover (US variant) x10
  - ¬ 3MG27215AA: paper label
  - ¬ 3MG27216AA: plastic foot (x10)
  - ¬ 3MG27217AA : SIP paper label cover (x10)

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