

# 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.



**8018 DeskPhone**

Built on the success and practicality of the Premium DeskPhone line, the new eco-friendly 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 communications.

FEATURES	BENEFITS
<ul style="list-style-type: none"> <li>• Business grade design</li> </ul>	<ul style="list-style-type: none"> <li>• Modern design enriching the range</li> </ul>
<ul style="list-style-type: none"> <li>• IP telephony</li> <li>• Full-duplex speakerphone</li> <li>• Wideband ready device</li> </ul>	<ul style="list-style-type: none"> <li>• Perfect for required and supplemental IP telephony needs</li> </ul>
<ul style="list-style-type: none"> <li>• Advanced telephony features</li> </ul>	<ul style="list-style-type: none"> <li>• A good-value deskphone with a complete PBX-feature set</li> </ul>
<ul style="list-style-type: none"> <li>• 6 softkeys</li> <li>• 4 ways navigator</li> <li>• Programmable keys</li> <li>• Lighted keys and notifications (Incoming call, message, audio control, programmable keys)</li> </ul>	<ul style="list-style-type: none"> <li>• Premium quality, intuitive and compact design</li> <li>• Direct access to a variety of services (i.e., welcome desk, reception, room service, nurse, emergency button, and more)</li> </ul>
<ul style="list-style-type: none"> <li>• 128x64 backlit B&amp;W graphical display</li> </ul>	<ul style="list-style-type: none"> <li>• User-friendly, easy-to-use interface with multiline graphical display</li> </ul>
<ul style="list-style-type: none"> <li>• Supports 802.3az</li> <li>• Power Over Ethernet Class 1 for low power consumption</li> </ul>	<ul style="list-style-type: none"> <li>• Eco friendly with low power consumption</li> </ul>
<ul style="list-style-type: none"> <li>• Customizable clip and faceplates</li> </ul>	<ul style="list-style-type: none"> <li>• Display the company, hotel or hospital logo and brand image</li> </ul>
<ul style="list-style-type: none"> <li>• Reduced footprint/size</li> </ul>	<ul style="list-style-type: none"> <li>• Adapted for hotel and hospital bedside tables</li> </ul>

## 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°
- Ingress protection: 22

### 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 Ethernet switch
- RJ-9 connector for corded handset
- Energy efficient Ethernet 802.3az support
- One USB port (1.1/2.0) to connect audio equipment (headset, loudspeaker, hands free) 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.711a and mu, G.729ab
- 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



8018 DeskPhone customized for different industries

- 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
- QoS support
  - IEEE 802.1p/Q tagging (VLAN), Layer 3 TOS, DSCP, and QoS tickets
- IEEE 802.1 AB/LLDP-MED client (automatic VLAN acquisition, PoE management, inventory information)

### Protocols & advanced telephony

- IP NOE
- MLE advanced telephony
  - Starting with OmniPCX Enterprise release 11.2.1
  - Starting with OTBE R2.2
- SMB Advanced telephony
  - Starting with OmniPCX Office release 10.3

### 3MG27201AA package

8018 DeskPhone delivered with:

- 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

### Customization

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

### Accessories

- 3MG27210AA: Wall mounting kit
- 3MG27006xx: Power supply x4
- Ethernet cable:
  - 8018 is compliant with CAT-5 shielding Ethernet cable and more.
  - Width of ethernet cable head < 13.5mm
  - 3AK21492AA: Straight Ethernet cable RJ45/RJ45, 3 m length
- Consult catalog for available headsets
- 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)

## Security

- Authentication: Basic or digest, 802.1x
  - 802.1x Message Digest 5 (MD5)/TLS:  
For authentication, customer certificates management (with centralized deployment)
- 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
- Secure Hash Algorithm (SHA)-2 support
- SSH v2

## Planned evolutions

- IPv6
- Encryption
- SIP survivability
- SIP Business mode
- G.722 wideband codec

## 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 22)