

# ALCATEL-LUCENT 8002 AND 8012 DESKPHONES

The Alcatel-Lucent 8002 and 8012 DeskPhones are cost-effective, entry-level phones that offer SIP telephony for essential communications in a business-grade design. They are the perfect voice companion to desktop-centric activities to ensure always-on connectivity and fast access to the enterprise directory. Their energy efficiency combined with a LAN connector for connection to your PC and integration with Alcatel-Lucent communication and management platforms help reduce OPEX and total cost of ownership (TCO).



## FEATURES

- Standard SIP telephony based on compliance to RFC standards
- Business-grade design
- Third-party call control
- Integration with Alcatel-Lucent communication platforms
- Centralized management
- Hands-free option
- Ready for future evolutions such as IPv6
- Energy efficiency
- Unified directory access

## BENEFITS

- Meet eco-friendly and low energy consumption standards
- Offer always-on connectivity to ensure continuity of critical communications
- Integrate completely in a multi-device environment
- Can be the ideal companion to a softphone for better audio comfort
- Simplify operations and reduce OPEX and TCO through a seamless and single management platform shared with other devices, applications and networking elements



## TECHNICAL SPECIFICATIONS

### Phone only

- Height: 190 mm (7.48 in.)
- Width: 161 mm (6.33 in.)
- Depth: 196 mm (7.71 in.)
- Weight: 810 g (1.78 lb) including handset
- Color: Black
- Adjustable foot stand: 0° or 50°
- Ingress protection (IP): 20
- Redial/Mute
- Local interphony

### Display

- One-line, black and white
- 20 alphanumeric characters

### Audio characteristics

- Hands-free capability
- Comfort handset
- Volume controls
- Mute control
- Support for G.729 A law/ $\mu$  law and G.711 CODECS
- Answer from audio equipment

### Keys and navigation (physical keys with LED)

#### Audio

- Volume control keys (+ and -)
- Hands-free, loudspeaker and external audio management key
- Mute key

#### Application keys

- Message Waiting Indication
- Missed Call Waiting Indication

#### Navigation

- Home key for immediate access to home menu and dial by name
- 'C'ancel key
- OK and up/down keys to access menu
  - Admin settings
  - Device settings
  - Call log
  - Dialing menu
  - Routing
  - Local directory

### Accessories

- 5-V power adapter (ref. 3MG27026xx)
- Headset (see catalog for latest list)

### Power

- 802.3 AZ (Energy-Efficient Ethernet) support
- 802.3AF Power over Ethernet (PoE) (Class 1) support (8002 DeskPhone)
- 802.3AF Power over Ethernet (PoE) (Class 2) support (8012 DeskPhone)
- Maximum power for the 8002 in use  $\leq$  2.68 W
- Maximum power for the 8012 in use  $\leq$  4.15 W (on call and PC connected)

### Connectivity

- LAN: 10/100/1000 Ethernet
- PC through integrated 10/100/1000 Ethernet switch (8012 DeskPhone)
- 3.5-mm jack headset port (8012 DeskPhone)
- RJ-9 connector for handset
- Mini-USB connector for power adapter

### Centralized management

- DHCP/AVA
- LLDP-MED extensions for VLAN assignment and PoE management
- HTTP/HTTPS
- SNMP synchronization

### Quality of service

- 802.1 P/Q, DSCP
- RTCP-XR QoS and tickets support: In-call and end-of-call

### Security

- HTTPS for secured HTTP access
- 802.1x Message Digest 5 (MD5)/TLS: For authentication and management of customer certificates (with centralized deployment)
- Denial of Service (DoS) attack protection: Flooding
- ARP spoofing protection

### Internationalization and localization

- Support for 22 languages

### Accessibility

- Hearing Aid Compatibility (HAC)
- Blinking LED for incoming calls (back and front visibility)

### Telephony

- SIP support for telephony services
- Make/Receive call
- Call transfer
- Call Hold/Resume
- 3-way conference
- Multi-line management
- 3rd party call control (3PCC)
- Call log for:
  - Missed calls
  - Outgoing calls
  - Incoming calls
- Dual-tone multi-frequency (DTMF)
- Dial by name
- CLIR/CLID
- Local auto answer (interphony)

### Contact management

- Local directory: add, edit and delete local contacts
- Unified directory access

### Advanced communication services\*

- Routing management (local or centralized forward depending on the system)

### System interoperability

- Alcatel-Lucent OpenTouch™ products, including Alcatel-Lucent OmniVista™ 8770 Network Management System, Release 1.2 and later
- Alcatel-Lucent OmniPCX™ Office Rich Communication Edition, Release 9.0 and later

### Standards references (non-exhaustive list)

- RFC 0768 User Datagram Protocol (UDP)
- RFC 0791 Internet Protocol (IP)
- RFC 0793 Transmission Control Protocol (TCP)
- RFC 0826 Address Resolution Protocol (ARP)
- RFC 1321 MD5 Message-Digest Algorithm
- RFC 2131 Dynamic Host Configuration Protocol (DHCP)
- RFC 2617 HTTP Authentication: Basic and Digest Access Authentication

\* Contact your local sales representative for information on the latest feature list and system compatibility.

- RFC 2976 SIP INFO Method
- RFC 3261 SIP: Session Initiation Protocol
- RFC 3262 Reliability of Provisional Responses in SIP
- RFC 3263 SIP: Locating SIP Servers
- RFC 3264 An Offer/Answer Model with Session Description Protocol (SDP)
- RFC 3265 SIP-Specific Event Notification
- RFC 3326 The Reason Header Field for the SIP
- RFC 3515 The SIP Refer Method
- RFC 3611 RTP Control Protocol Extended Reports (RTCP XR)
- RFC 3842 A Message Summary and Message Waiting Indication Event Package for the SIP
- RFC 3891 The SIP "Replaces" Header
- RFC 3892 The SIP Referred-By Mechanism
- RFC 3960 Early Media and Ringing Tone Generation in the SIP
- RFC 4566 SDP: Session Description Protocol
- RFC 4733 RTP Payload for DTMF Digits, Telephony Tones, and Telephony Signals
- RFC 5359 Session Initiation Protocol Service Examples
- RFC 1361 Simple Network Time Protocol (SNTP)
- RFC 3748 Extensible Authentication Protocol (EAP)
- RFC 2833 RTP Payload for DTMF Digits, Telephony Tones and Telephony Signals