

# Alcatel-Lucent IP Touch 4008/4018 Extended Edition Phones

## SIP ENDPOINTS

The Alcatel-Lucent IP Touch™ 4008/4018 Extended Edition (EE) phones are cost-effective, entry-level desk phones that offer integrated IP connectivity and basic telephony.



Alcatel-Lucent IP Touch  
4008EE/4018EE Phones

In addition to existing call processing support for the Alcatel-Lucent OmniPCX™ Communication Servers, the Alcatel-Lucent IP Touch 4008EE/4018EE phones can also be configured as Session Initiation Protocol (SIP) endpoints and, therefore, operate in a standard SIP environment.

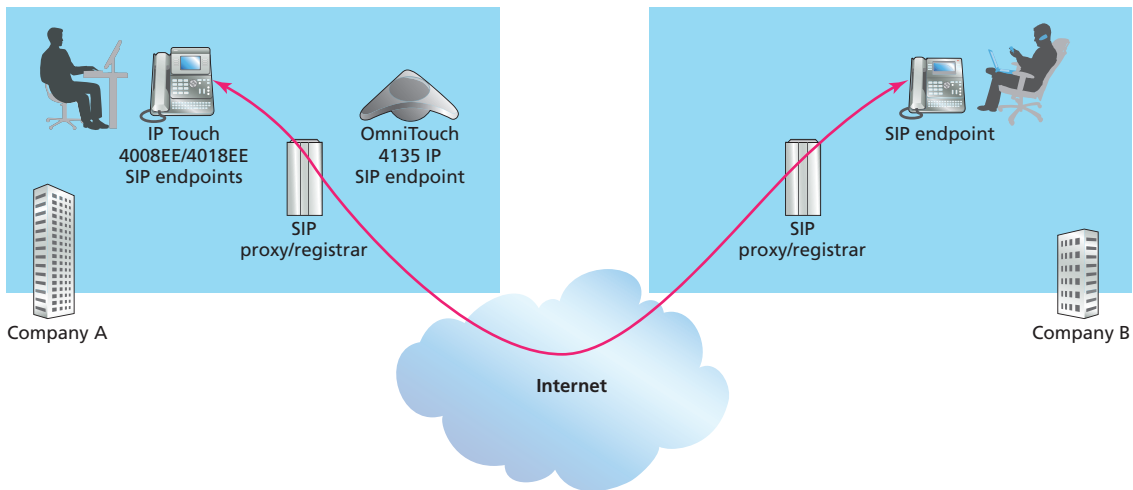
The Alcatel-Lucent IP Touch 4008EE/4018EE phones are part of a smooth migration from legacy IP telephony to the SIP world.

FEATURES	BENEFITS
Investment protection	<ul style="list-style-type: none"> <li>• A single commercial item for smooth migration from legacy IP telephony to SIP world at a pace determined by the customer. Total cost of ownership is optimized.</li> </ul>
SIP telephony based on RFCs	<ul style="list-style-type: none"> <li>• Interoperability with Alcatel-Lucent OmniPCX Enterprise Communication Server</li> <li>• SIP servers interoperability tested*</li> <li>• Ready for carrier-grade SIP telephony</li> </ul>
SIP redundancy	<ul style="list-style-type: none"> <li>• Interoperability with survival router (embedded SIP proxy) provides continuity of service</li> </ul>
Enterprise-grade product	<ul style="list-style-type: none"> <li>• Quality of service</li> </ul>
Remote management	<ul style="list-style-type: none"> <li>• Automated first deployment and upgrade mechanisms (software and configuration)</li> </ul>
Secure SIP telephony**	<ul style="list-style-type: none"> <li>• SIP end-to-end privacy</li> </ul>

\* Contact your local sales representative to get updated information on SIP server list

\*\* Secure SIP availability end of 2010

Figure 1. SIP end-to-end overview



## Technical specifications

### Physical characteristics

#### Phone only

- Length: 220 mm (8.66 in.)
- Depth: 175 mm (6.89 in.)
- Height: 133 mm (5.24 in.)
- Weight: 790 g (1.74 lb)
- Color: Ice blue, urban grey

#### Display

- 1 x 20 character display, no backlight, 75 mm x 12 mm (2.95 in. x 0.47 in.)

#### Keypad

- 31 keys including:
  - 2-direction navigator
  - 6 programmable keys with LED
  - Message key with LED
  - Hands-free key with LED
  - Redial key
  - Volume keys (+/-)
  - Mute key with LED
  - Information key
  - Local directory key

#### Connectivity

- LAN (10/100 Ethernet)
- PC for IP Touch 4018EE through 10/100 Ethernet switch
- Handset (RJ-11)
- AC/DC power

#### Power

- PoE (IEEE 802.3af) (Class 1 for IP Touch 4008EE, Class 2 for IP Touch 4018EE) or AC/DC power

### Audio characteristics

- Standard handset for IP Touch 4008EE, comfort handset for IP Touch 4018EE
- G.711 A-law,  $\mu$ -law
- G.729.AB, G.723.1, voice activity detection (VAD), comfort noise generation (CNG)

### Call features

- Make and receive call
- Caller ID
- Stop ringing
- Reject call
- Multi-line
- Call waiting
- Call hold/resume
- Call transfer
- Call forward all
- DTMF (in-band, RFC 4733, SIP info method)
- Call conference (local three-party and non-encrypted communications)
- Voice mail access
- Message waiting indication
- Last number redial
- Local directory
- Tones management
- Volume control
- Hearing aid
- Ringing melody management
- Programmable function keys

### Automated configuration

- Includes first deployment, provisioning retrieval and upgrade mechanisms
- IEEE 802.1 AB/LLDP-MED client (automatic VLAN acquisition, PoE management, inventory information), DHCP, TFTP, HTTP/HTTPS, SNMP, SIP user registration and SIP server configuration

### Quality of Service

- QoS ticket data under RTCP-XR format

### Security

- SIP over TLS for protocol encryption, SRTP/SRTCP for voice encryption
- Certificates for 802.1x EAP-TLS, HTTPS downloading and SIP TLS (either Alcatel-Lucent or customer certificates)

### 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
- 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 3323 A Privacy Mechanism for the SIP\*\*
- 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 3711 The Secure Real-time Transport Protocol (SRTP)\*\*
- RFC 3842 A Message Summary and Message Waiting Indication Event Package for the SIP
- RFC 3853S/MIME Advanced Encryption Standard (AES) Requirement 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 4568 SDP Security Descriptions for Media Streams\*\*
- RFC 4733 RTP Payload for DTMF Digits, Telephony Tones, and Telephony Signals
- RFC 5359 Session Initiation Protocol Service Examples

### Accessories

- Wall-mount kit
- 60-degree footstand

### Languages

- Dutch, English, French, German, Italian, Portuguese, Spanish

### Ordering information

- Reference 3GV27064xx IP Touch 4008EE
- Reference 3GV27063xx IP Touch 4018EE
- Reference 3GV27020AB Wall-mount kit
- Reference 3GV27019AB 60-degree footstand

### Safety

- IEC 60950-1:2001
- CB Test Certificate: GB 6076 Z

### Certification

- FCC Class B, Council Directive 1999/5/EC

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