Alcatel-Lucent 8088 Smart Deskphone

The 8088 Smart DeskPhone delivers instant video collaboration to executives, managers and information workers.

This elegant and exclusive phone offers a 7” large touch screen for video display and an intuitive experience. Any small huddle room becomes a video conferencing room helped to the embedded camera and the wideband audio.

The 8088 has also a Bluetooth handset and a Bluetooth headset pairing, for wireless mobility up to 10 meters from your desk.

Its Android platform provides to anyone the capability to deploy customized and secured app. With the Alcatel-Lucent Rainbow collaboration app, see at a glance who’s available and transform, through one tap, any call into an instant video conference with colleagues connected to Rainbow from any device.

<table>
<thead>
<tr>
<th>Features</th>
<th>Benefits</th>
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<tr>
<td>Alcatel-Lucent Rainbow collaboration app</td>
<td>See at a glance who’s connected, easy as one tap to call colleagues connected to Rainbow from any device.</td>
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<tr>
<td>Video conferencing</td>
<td>Transform any huddle room into a video conferencing room, with the 7” Touch screen and embedded HD camera</td>
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<td>Support Android apps</td>
<td>Deploy customized and secured app to all users</td>
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<td>Wideband Audio quality</td>
<td>Enjoy high audio quality for better comfort</td>
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<tr>
<td>Bluetooth connectivity</td>
<td>Connect a Bluetooth handset or a Bluetooth headset, for wireless mobility up to 10 meters from your desk</td>
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Technical specifications

Mechanics
- Weight: 1486 g (3.27 lbs) including handset
- Depth: 167 mm (6.57 in)
- Width: 252 mm (9.92 in)
- Height: 204 mm (8.03 in)
- Color: Black
- Adjustable foot stand ranging from 25° to 60°
- Ingress protection (IP): 22

Display
- Seven-inch screen graphical TFTLCD color touch screen display
- Wide video graphics array (WVGA): 800x480, 16:9 format
- External display through HDMI: Up to 1280 x 720
- Capacitive touch screen technology
- Ambient light sensor
- LCD backlight:
  - Manual adjustment based on user-defined level
  - Auto-brightness mode based on ambient light and user-defined level

Connectivity
- LAN: 10/100/1000 Ethernet
- PC through 10/100/1000 integrated Ethernet switch
- Universal 3.5 mm audio and stereo jack, 4 pins, following the
- Cellular Telephone Industries Association (CTIA) / American Headset Jack (AHJ) standard
- Two USB ports (1.1/2.0) to connect external camera, audio equipment, low smartphone charging or USB stick
- RJ9 connector for corded handset (optional)
- Bluetooth embedded: Headset, earphones, handset, loudspeaker and hands-free support
- HDMI 1.4a output, support for screen replication and dedicated HD video display

Power
- 802.3AF Power over Ethernet (PoE)
- Class 3 support

Audio
- HD audio:
  - Wideband loudspeaker
  - Wideband Bluetooth handset
  - Wideband, comfort and wired handset
- Full-duplex speakerphone
- Acoustic echo cancellation
- Automatic Gain Control (AGC) to adjust audio volume and comfort while in conference

Video
- H264 Baseline Profile Level 3.0
- Picture-In-Picture (self-preview overlay)
- Power line flicker compensation
- Hot-plug/unplug for an external USB camera
- HD video display through an HDMI output
- Internal HD camera:
  - 720p at 25 fps
  - 5 MP
- Mechanical shutter for privacy

Keys and navigation
- Sensitive keys with a contextual LED management:
  - Mute
  - Volume +/Volume -
  - Audio mode selection: Handsfree, loudspeaker, headset, or handset
  - Hang-up
  - Communication services: active communications, call history, voice mail access, and message waiting indicator
  - Dial pad / keypad
  - User services and settings: Video self-view, routing, overflow, and advanced telephony subscription (including lock, supervision, and CLIR)
  - Home key for immediate access to home page and menus
- Touch screen navigation
- Gestures to activate most frequently used functions such as dial-by-name, video controls, HDMI output, and programmable keys
Centralized management
- Dynamic Host Configuration Protocol (DHCP)/ Automatic VLAN Assignment (AVA)
- Link Layer Discovery Protocol for Media Endpoint Devices (LLDPMED) (802.3 AB)
  - Extensions: VLAN assignment, PoE management, inventory, geolocation
  - HTTP/ HTTPS
- Software upgrade
  - Fast upgrade mode: Software downloads in the background. The device is available to the user during audio and video calls as well.
  - ~1 min of device unavailability during boot time
- Scheduling through Alcatel-Lucent OmniVista® 8770 Network Management System
- Device configuration based on company standards: Power management and telephony service configuration, such as speakerphone, Bluetooth, automatic lock, audio accessory availability, audio management, and security
- Customizable user interface (skin, melody, colors and background image) using Smart-Custo for DeskPhone, graphical application to build new skin on the 8088 Smart DeskPhone.
- Centralized date and time management (Simple Network Time Protocol, SNTP)

Quality of Service
- 802.1 p/Q
- Differentiated services code point (DSCP)

Security
- HTTPS for secure HTTP access
- 802.1x Message Digest 5 (MD5)/TLS: Customer certificate management (with centralized deployment) for authentication
- Denial of service (DoS) attack protection: Flooding
- Session Initiation Protocol (SIP) message authentication through IP filtering
- Address Resolution Protocol (ARP) spoofing protection
- Transport Layer Security (TLS) 1.2 standard
- Secure Hash Algorithm (SHA)-2 support
- Audio SIP TLS and Secure Realtime Transport Protocol (SRTP) encryption

Internationalization and localization
- Support for 29 languages and input method editors, such as Pinyin, Katakana, Hiragana, and Hangul

Accessibility
- Hearing aid compatible (HAC)
- Incoming call blinking LED: Back and front visibility

Communication services
- Telephony services: Call, answer, deflect, enquiry, hold, broker, transfer and conference controls
- Multi-line management
- Call log: Missed, outgoing and incoming calls
- Dual-tone multi-frequency (DTMF)

Business communication services
- Place, answer and manage wideband voice, HD video and conferences
- Business caller ID and picture presentation

Contact management
- Add, edit and delete local contacts
- Favorites list management, centralized with other devices
- On-call services: Deflect, add participants, remove participants, DTMF
- Universal directory access
  - Place an audio or video session with a single tap
  - Add contacts to a unified favorites list across devices
  - View the picture, real-time telephony presence and availability of favorite contacts
- Single identity across devices
  - Select user defined routing rules
  - Route to one or several devices
  - Rapid session shift
  - Supervision screening and call pick-up
  - Manager-assistant screening
  - View and manage a unified call and messaging history across devices
  - Consult and manage a unified visual voicemail across devices
  - Lock and unlock
  - SIP survivability:
    - Automatic fallback on Alcatel-Lucent OmniPCX® Enterprise Communication Server (CS) or on OmniPCX Enterprise Passive Communication Server (PCS)
    - Automatic fallback on thirdparty server (AAPP) ~ No reboot required
Products supported

- OXO Connect and OXO Connect Evolution from release 3.0 and higher
- As of OmniPCX Enterprise 12.1, offers the full range of telephony services found in Alcatel-Lucent acclaimed communication servers -- unsurpassed in terms of functionality, features, reliability and quality of service.

Please refer to 8088 User Manual for more information regarding available features and restrictions.

User-based customization

- Audio file player (MP3, WAV)
- Image and photo viewer (JPG, BMP, PNG)
- Access to local settings for:
  - Screensaver or user-defined
  - Ring tone and notification melodies (more than 10 choices)
  - Background image or user defined
  - Colored skins
  - Audio equipment management
  - User preferences (such as home page and backlight)

Accessories in the catalog

- Wideband comfort handset, corded
- Bluetooth handset
- PoE injector
- 48 V power adapter
- Headsets (for and up-to-date list, see the catalog)

Third-party application support

Dedicated business applications can be deployed on the 8088 Smart DeskPhone.