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.

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

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)
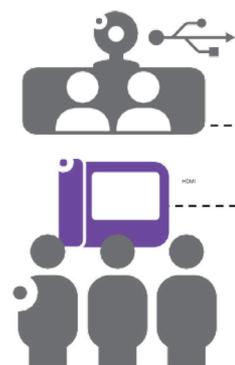- Class 3 support

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 comfortwhile 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 HDMI

Figure 1. Video Conferencing configuration

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

- 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

Contact management

- Add, edit and delete local contacts
- Favorites list management, centralized with other devices

Products supported

- Alcatel-Lucent OpenTouch® Multimedia Services, OpenTouch Business Edition, (from Release 2.1 including OmniVista 8770 Network Management System)
- 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.

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