ALCATEL-LUCENT ENTERPRISE 8088 SMART DESKPHONE

The Alcatel-Lucent 8088 Smart DeskPhone is a sleek and intuitive desk phone designed for professionals. Its 7" vivid touch screen, Bluetooth® handset and built-in camera offer a smooth multimedia user experience with outstanding wideband audio and HD video conversations.

The 8088 Smart DeskPhone also has an HDMI® output for screen replication, and a dedicated video HD display on an external monitor, which provides an opportunity to transform any regular meeting room into a video-enabled conference room.

FEATURES	BENEFITS
• Phone design including large color touch screen display	• Elegant design makes it a great brand advocate in all offices or branches that welcome guests.
• Wideband everywhere	• Outstanding HD audio quality is provided across equipment, including hands-free, handset, stereo headset and Bluetooth.
• Intuitive user interface	• Convenience provided by the award-winning OpenTouch Conversation® user interface enables simplified HD audio and video communications.
• Built-in HD camera	• Intuitive HD video: When at the desk, executives and managers enjoy comfortable business communications that can be escalated to HD video peer-to-peer or multi-party sessions with a single tap.
• HDMI connector	• The video display can be extended to an external HD monitor for more immersive video collaboration.
• Ambient Light Sensor	• The brightness is auto-adjusted for a better visual comfort depending on lighting (artificial or daylight).
• Bluetooth	• Wideband audio handset and support for earphones enable better in-building mobility and excellent audio quality.

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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 TFT-LCD color touch screen display
- Wide video graphics array (WVGA): 800x480, 16:9 format
- External display through HDMI: up to 1280x720
- 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 2.1 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
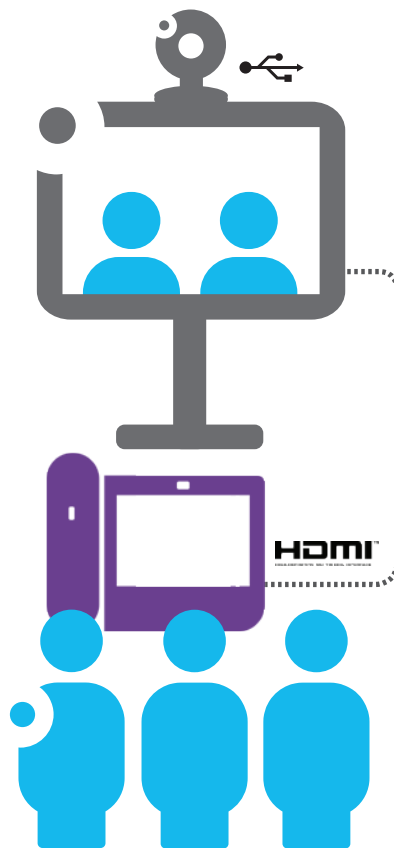- Mechanical shutter for privacy

Figure 1. Video Conferencing configuration

Keys and navigation

- Sensitive keys with a contextual LED management:
  - ¬ Mute
  - ¬ Volume +/Volume -
  - ¬ Audio mode selection: Hands-free, loudspeaker, headset, or handset
  - ¬ Hang-up
  - ¬ Communication services: active communications, call history, voice mail access, and message waiting indicator

- ¬ DialPad/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 (LLDP-MED) (802.3 AB)
  - ¬ Extensions: VLAN assignment, PoE management, inventory, geolocation
  - ¬ HTTP/ HTTPS
- Software upgrade
  - ¬ Fast upgrade mode: software download in the background. The device is available for the user, and audio and video calls are available during this period.
  - ¬ ~1 min of device unavailability during boot time
  - ¬ Scheduling through OmniVista® 8770 Network Management System
- Device configuration based on company's 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 Real-time 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 Compatibility (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 OmniPCX® Enterprise Communication Server (CS) or on OmniPCX Enterprise Passive Communication Server (PCS)
  - ¬ Automatic fallback on 3rd party server (AAPP)
  - ¬ No reboot required

Contact management

- Outlook contact synchronization with a local list through Ethernet link, using the PC sync for DeskPhone. This is a free application delivered with the 8088 Smart DeskPhone.
- Add, edit and delete local contacts
- Favorites list management, centralized with other devices

Products supported

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

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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