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Huawei eSpace 7910 IP Phone

Figure 1-1 eSpace 7910 IP phone

Full-featured entry-level IP phone

- 2 lines, rich functions, and easy to use
- Advanced Audio Coding-Low Delay (AAC-LD) super-wideband voice codec, with a sample rate as high as 48 kHz
- 2.8-inch color Liquid Crystal Display (LCD) screen, 320 x 240 resolution
- 2 GE ports available for Power over Ethernet (PoE), and 1 headset port

eSpace 7910 is an easy-to-use, full-featured 2-line IP phone. It provides a user-friendly user interface (UI) on a color LCD screen and supports multiple lines of high-quality call services, making it a good choice for enterprise employees. eSpace 7910 employs AAC-LD super-wideband voice codec, which supports up to 48 kHz sample rate. As for its integral components, the speaker, handset, and headset all provide high-fidelity voice quality. In addition, eSpace 7910 supports automatic deployment, greatly simplifying its deployment and installation. It provides optimized signaling and media flow encryption, and an HTTPS-based web management page, which helps create a secure communications environment.

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eSpace 7910 Functions and Features

Category	Parameter	Specification
Protocols	Network protocols	TCP/IP, SIP, SDP, UDP, RTP, RTCP, DHCP, DNS, PPPoE, HTTP, HTTPS, SNTP, and XCAP
Phone features	Audio codecs	G.711a/G.711 μ /G.729AB/G.722/ iLBC/AAC-LD/G.722.1/G.722.2
	Audio features	• Inband and outband Dual Tone Multiple Frequency (DTMF) • Anti-clipping (ACLP) • Acoustic Echo Cancellation (AEC) • Automatic Gain Control (AGC) • Adaptive Jitter Buffer (AJB) • Automatic Noise Restraint (ANR) • Comfort Noise Generation (CNG) • Hearing Aid Compatibility (HAC) • Packet Loss Concealment (PLC) • Voice Activity Detection (VAD) • Side Tone Cancellation • Voice Quality Monitor (VQM)
	Call history	• Up to 100 records each for dialed, received, and missed calls • Missed call notification
	Contacts	• Up to 1000 contacts • Contact import through the USB port or web page; contact export through the web page • File in .csv/.vcf format
	Languages	• Display: Arabic, Chinese (simplified and traditional), English, French, Portuguese, and Spanish • Input: Chinese (simplified), English, French, Portuguese, and Spanish
	Ringtone settings	Default ringtones (5 ringtones), group ringtones, and customized ringtones
	Ringtone import	Total size: 10 MB, including system ringtonesFormat: .wav
	Wallpaper import	Total size: 10 MB, including system wallpapers Format: .png/.bmp/.jpg/.gif
	Local conference	6-party audio conference Operations including adding, muting, and removing participants
IP telephony (IPT) services	Call Waiting, Call Hold, Call Transfer, Call Forward, Do Not Disturb (DND), Call Deflection, Advanced Secretary Service, Call Park, Pickup, Group Pickup, Distinctive Ring, Voicemail, Abbreviated Dial, and Busy Lamp Field (BLF)	
Unified Communications (UC) services	Corporate directory	Contact query, direct dial, and adding contacts to the local address book
	Name and department display	Display of the peer party's name, department, and phone number for incoming and outgoing calls
	Profile picture display	Display of the peer party's profile picture for incoming and outgoing calls
	Linkage	• Call control using eSpace Desktop • Status synchronization between eSpace 7910 and eSpace Desktop
	Presence (available only in UC2.0)	Status display of contacts in the call history, contact list, and corporate directory
	One-key switch (available only in UC2.0)	Call switching between eSpace 7910 and the bound mobile phone or fixed-line phone for users that have the one-key switch right
	Call recording	• Recording during audio calls • Recorded information saved on the server • Recording control (start or stop) on eSpace 7910
	Instant conference (available only in UC2.0)	Instant audio conference with the conference button
	Group conference (available only in UC2.0)	Voice conference with all contacts in a contact group

eSpace 7910 Technical Specifications

Parameter	Specification
Screen	2.8-inch, 320 x 240 pixels, color screen
LEDs	Line, Message Waiting Indicator (MWI), Mute, Speaker, Call History, Headset, and programmable button LEDs
Foot stand	1 foot stand with 2 adjustable angles
Installation mode	Desktop installation
Buttons	• 2 line buttons • 5 navigation buttons: Up/Down/Left/Right/OK • 10 programmable buttons • 4 softkeys • 4 fixed function buttons (with LED): Speaker, Headset, Mute, and Call History • 7 fixed function buttons (without LED): Home, Message, Volume, Contacts, Hold, Conference, and Transfer
External ports	2 GE ports: 10/100/1000 Mbit/s adaptive, and support for VLAN configuration
	1 handset port: RJ-9
	1 headset port: RJ-9
PoE	Class 2
Power adapter	Input: 100–240 V AC Output: 5 V DC, 2 A Support for China, Europe, America, Britain, and Australia standards
Flash memory	128 MB
RAM	128 MB
Dimensions	231 mm x 208 mm x 103 mm
Operating temperature	0° C to 45° C
Storage temperature	–25° C to +70° C
Operating humidity	10% to 95%
Storage humidity	10% to 95%
Power consumption	3.5 W
Weight	0.85 kg
Certification	CE/FCC/RoHS/WEEE/REACH/UL