

# Huawei eSpace 7950 IP Phone

## Full-featured, high-performance IP phone



Figure 1-1 eSpace 7950 IP phone

- 6 lines, allowing for rich features and excellent user experience
- Advanced Audio Coding-Low Delay (AAC-LD) super-wideband voice codec, with a sample rate as high as 48 kHz
- 5-inch true color Liquid Crystal Display (LCD) screen, 800 x 480 high-resolution
- 2 GE ports available for Power over Ethernet (PoE), 1 headset port, 1 Bluetooth module, and at most 3 expansion modules
- 1 Universal Serial Bus (USB) port for connecting to standard USB devices, such as a USB headset or USB flash drive

eSpace 7950 is a full-featured 6-line IP phone with excellent user experience. It provides a user-friendly user interface (UI) on a large, true color LCD screen and supports multiple lines of high-quality call services, making it a good choice for frequent phone users, such as executives, managers, secretaries, and attendants. eSpace 7950 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 7950 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.

# eSpace 7950 Functions and Features

Category	Parameter	Specification
<b>Protocols</b>	Network protocols	TCP/IP, SIP, SDP, UDP, RTP, RTCP, DHCP, DNS, PPPoE, HTTP, HTTPS, SNTP, and XCAP
<b>Phone features</b>	Audio codecs	G.711a/G.711 μ /G.729AB/G.722/iLBC/AAC-LD/G.722.1/G.722.2
	Audio features	<ul style="list-style-type: none"> <li>• Inband and outband Dual Tone Multiple Frequency (DTMF)</li> <li>• Anti-clipping (ACLIP)</li> <li>• Acoustic Echo Cancellation (AEC)</li> <li>• Automatic Gain Control (AGC)</li> <li>• Adaptive Jitter Buffer (AJB)</li> <li>• Automatic Noise Restraint (ANR)</li> <li>• Comfort Noise Generation (CNG)</li> <li>• Hearing Aid Compatibility (HAC)</li> <li>• Packet Loss Concealment (PLC)</li> <li>• Voice Activity Detection (VAD)</li> <li>• Side Tone Cancellation</li> <li>• Voice Quality Monitor (VQM)</li> </ul>
	Call history	<ul style="list-style-type: none"> <li>• Up to 100 records each for dialed, received, and missed calls</li> <li>• Missed call notification</li> </ul>
	Contacts	<ul style="list-style-type: none"> <li>• Up to 1000 contacts</li> <li>• Contact import through the USB port or web page; contact export through the web page</li> <li>• File in .csv/.vcf format</li> </ul>
	Languages	<ul style="list-style-type: none"> <li>• Display: Arabic, Chinese (simplified and traditional), English, French, Portuguese, and Spanish</li> <li>• Input: Chinese (simplified), English, French, Portuguese, and Spanish</li> </ul>
	Ringtone settings	Default ringtones (5 ringtones), group ringtones, and customized ringtones
	Ringtone import	Total size: 10 MB, including system ringtones Format: .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
<b>IP telephony (IPT) services</b>	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)	
<b>Unified Communications (UC) services</b>	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	<ul style="list-style-type: none"> <li>• Call control using eSpace Desktop</li> <li>• Status synchronization between eSpace 7950 and eSpace Desktop</li> </ul>
	Presence (available only in UC2.0)	Presence of call history, contacts, and corporate directory
	One-key switch (available only in UC2.0)	Call switching between eSpace 7950 and the bound mobile phone or fixed-line phone for users that have the one-key switch right
	Call recording	<ul style="list-style-type: none"> <li>• Recording during audio calls</li> <li>• Recorded information saved on the server</li> <li>• Recording control (start or stop) on eSpace 7950</li> </ul>
	Instant conference (available only in UC2.0)	Instant audio conference with the conference button
	Group conference (available only in UC2.0)	Voice conference with participants in a contact group

# eSpace 7950 Technical Specifications

Parameter	Specification
Screen	5-inch, 800 x 480 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	<ul style="list-style-type: none"> <li>• 6 line buttons</li> <li>• 5 navigation buttons: Up/Down/Left/Right/OK</li> <li>• 4 softkeys</li> <li>• 4 fixed function buttons (with LED): Speaker, Headset, Mute, and Call History</li> <li>• 5 fixed function buttons (without LED): Home, Message, Volume, Contacts, and Call Forward</li> </ul>
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
USB2.0	1 USB port for connecting to USB devices, such as a USB headset or USB flash drive (Ringtones, wallpapers, and contacts can be imported via the USB flash drive.)
Expansion module	eSpace 7903X <ul style="list-style-type: none"> <li>• Powered by eSpace 7950: only 1 expansion module supported</li> <li>• Powered by external power supply: up to 3 expansion modules supported</li> </ul>
Bluetooth	Embedded Bluetooth 2.1
PoE	Class 3
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	217 mm x 208 mm x 124 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	6 W
Weight	0.9 kg
Certification	CE/FCC/RoHS/WEEE/REACH/UL



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