

# Huawei eSpace 7900 Series IP Phone



HUAWEI ENTERPRISE ICT SOLUTIONS **A BETTER WAY**





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Huawei eSpace 7900 series IP phones are new-generation IP phones with superb performance. The innovative design delivers an intuitive, easy-to-use experience, enabling users to benefit from highly efficient communications.

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**Incredibly thin design, ushering in a simple and stylish work style**

Compared to traditional clumsy IP phones, eSpace 7900 series offers users a neat and trendy experience with its sleek, state-of-the-art design.

**Crystal-clear, full-band high-definition (HD) audio performance, perfectly reproducing high-fidelity sound**

Based on deep insights into acoustics, Huawei has created revolutionary audio technology for eSpace 7900 series to deliver exceptional voice quality.

**Ergonomic design, delivering a user-friendly experience**

Based on an in-depth analysis of user habits, Huawei has created an elegant, ergonomic design for the phone handset with an adjustable phone base, culminating in a comfortable tactile feel and optimal view.

**Gigabit Ethernet (GE) ports and color screen, your best choice for a cost-effective IP phone**

Color-screen eSpace 7900 series is equipped with GE ports and supports Advanced Audio Coding-Low Delay (AAC-LD) full-band voice codec. These features well support bandwidth-hungry services, making eSpace 7900 series the select choice as cost-effective IP phones for enterprises.

**Consistent experience with other terminals, allowing for superb user experience across different platforms**

eSpace 7900 series uses the same design style of User Interface (UI) as other Huawei Unified Communications (UC) terminals. This ensures consistent and easy user experience.

## Highlights

### eSpace 7910

eSpace 7910 is equipped with a 2.83-inch color screen and supports three SIP accounts. Its Graphical User Interface (GUI) delivers rich operation experience.

eSpace 7910 provides a user-friendly Man-Machine Interface (MMI), supports function-rich programmable buttons, and delivers high-quality call services, making it an icon of new-generation budget-friendly IP phones.



#### Screen

- Color screen: 2.83-inch, 320 x 240 pixels, 260 thousand colors

#### Buttons

- 2 line buttons (with red and green dual-color LEDs): support for 6 lines at most
- 10 programmable buttons: dual-color (red and green) LEDs
- 4 fixed function buttons (with red LEDs): Speaker, Headset, Mute, and Call History
- 7 fixed function buttons (without LEDs): Home, Message, Volume, Contacts, Hold, Conference, and Transfer
- 4 softkeys: activate softkey options on the screen, easy-to-operate
- 5 navigation buttons: Up/Down/Left/Right/OK

#### Ports

- 2 GE ports: support for Power over Ethernet (PoE)
- 1 headset port: RJ-9

### eSpace 7950

eSpace 7950 is equipped with a 5-inch, high-resolution true color screen and supports six SIP accounts. It provides a rich array of functions and delivers excellent operation experience.

eSpace 7950 provides a user-friendly MMI on a large, true color Liquid Crystal Display (LCD) screen, supports a broad range of peripherals, and delivers high-quality call services, making it an icon of new-generation business IP phones.



#### Screen

- True-color screen: 5-inch, 800 x 480 pixels (high resolution), 16 million colors

#### Buttons

- 6 line buttons (with red and green dual-color LEDs): support for 12 lines at most
- (Up to) 5 programmable buttons: unused line buttons serving as programmable buttons
- 4 fixed function buttons (with red LEDs): Speaker, Headset, Mute, and Call History
- 5 fixed function buttons (without LEDs): Home, Message, Volume, Contacts, and Forward
- 4 softkeys: activate softkey options on the screen, easy-to-operate
- 5 navigation buttons: Up/Down/Left/Right/OK

#### Ports

- 2 GE ports: support for PoE
- 1 USB 2.0 port: for connecting to USB devices, such as a USB flash drive (through which ringtones, wallpapers, and contacts can be imported) or a USB headset
- Headset port: RJ-9/USB
- Bluetooth: embedded Bluetooth 2.1 module, support for a Bluetooth headset
- Expansion module: support for up to three eSpace 7903X expansion modules



## Voice and Security

- AAC-LD full-band voice codec, with a sampling rate as high as 48 kHz
- High-fidelity speaker, handset, and headset
- Comprehensive encryption of signaling and media streams

## Preferences

### Ringtone

- 8 system ringtones
- Flexible ringtone selection
- Ringtone import

### Wallpaper

- 12 system wallpapers
- Flexible wallpaper selection
- Wallpaper import

## Management

### Local configuration

- Graphical User Interface (GUI) on the LCD screen for local phone management

### Built-in web server

- Web configuration page for easy phone management

### Huawei eSpace EMS

- A variety of phone management functions, including batch phone restart, configuration, upgrade, configuration export, and log export

## Applications

### GUI

- Consistent user experience
- Man-machine interaction on the Man-Machine Interface (MMI), with the assistance of softkeys
- Diversified functions and easy operations

### Local 6-party conference

- Powerful conference presence, easy to identify participants
- Convenient conference control

### Contacts

- Up to 1000 contacts
- Contact group
- Contact information (including profile pictures) setting

### Lightweight Directory Access Protocol (LDAP) directory

- Corporate directory
- Intelligent search

### Call history

- Up to 100 records each for placed, received, and missed calls
- Profile picture and status display
- Direct dial

### XML application

- Support for XML browsers, allowing the use of third-party XML applications

## Wide Use in eSpace UC/CC/IMS Solution

eSpace 7900 series can be used in the Huawei eSpace UC solution to provide diversified functions, including corporate directory, linkage, and one-key switch. They also support multi-registration and server redundancy to help ensure high reliability.

In the Huawei eSpace Contact Center (CC) solution, eSpace 7900 series works with agent software to provide audio call services.

eSpace 7900 series can also be applied to the Huawei IP Multimedia Subsystem (IMS) solution to provide basic IP Telephony (IPT) services.

## Expansion Module

eSpace 7903X can work with eSpace 7950 for capability expansion.

### eSpace 7903X

eSpace 7903X is a multi-functional IP phone expansion module. With a single eSpace 7903X, eSpace 7950 is able to provide additional 40 programmable buttons and optimize viewing through the 5-inch color LCD screen. eSpace 7903X helps users use eSpace 7950 more efficiently with better user experience.



- True-color screen: 5-inch, 480 x 800 pixels (high resolution), 16 million colors
- Programmable button: 20 programmable buttons with dual-color (red and green) LEDs, signaling different line states of contacts and providing diverse functions, including speed dial, Busy Lamp Field (BLF), contact group, XML application, phone lock, phone sleep, call forward, pickup, group pickup, call park, and Do Not Disturb (DND)
- Page button: 2 page buttons with monochrome LEDs, with the second page button providing access to an additional 20 programmable buttons (for a total of 40 buttons)
- Function icon display: various function icons displayed, including phone lock, phone sleep, XML application, and contact group
- Profile picture display for contacts

# eSpace 7900 Features

Category	Parameter	7910	7950	
Phone features	Protocol	TCP/IP, SIP, SDP, UDP, RTP, RTCP, DHCP, DNS, PPPoE, HTTP, HTTPS, SNTP, and XCAP		
	Multiple lines	6	12	
	Multiple accounts	3	6	
	Audio codecs	G.711a, G.711μ, G.722, G.722.1, G.722.2, G.729AB, iLBC, AAC-LD		
	Audio features	<ul style="list-style-type: none"> <li>• Dual-tone Multiple Frequency (DTMF): Inband/RFC2833</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> <li>• Buzz Cancellation</li> </ul>		
	Call history	<ul style="list-style-type: none"> <li>• Up to 100 records each for placed, 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 query, import, and export</li> </ul>		
	Languages	<ul style="list-style-type: none"> <li>• Display: Arabic, Chinese (simplified and traditional), English, French, Portuguese, Russian, Spanish, and Turkish</li> <li>• Input: Arabic, Chinese (simplified and traditional), English, French, Portuguese, and Spanish</li> </ul>		
	Ringtone	<ul style="list-style-type: none"> <li>• 8 system ringtones</li> <li>• Ringtone import</li> </ul>		
	Wallpaper	<ul style="list-style-type: none"> <li>• 12 system wallpapers</li> <li>• Wallpaper import</li> </ul>		
	Local conference	<ul style="list-style-type: none"> <li>• 6-party audio conference</li> <li>• Participant status display</li> <li>• Operations including adding, muting, and removing participants</li> </ul>		
	Service application	Basic voice 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)	
		Corporate directory	Contact query, direct dial, and adding contacts to the local address book	
Name and department display		Peer party's name, department, and phone number display for incoming and outgoing calls		
Profile picture display		Peer party's profile picture display for incoming and outgoing calls		
Linkage		<ul style="list-style-type: none"> <li>• Call control using eSpace Desktop</li> <li>• Status synchronization between eSpace Desktop and eSpace 7910/7950</li> </ul>		
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 7910/7950</li> </ul>		
Presence		Presence of call history, contacts, and corporate directory		
One-key switch		Call switching between eSpace 7910/7950 and the bound mobile phone or fixed-line phone for users that have the one-key switch service rights		
Instant conference		Instant audio conference with the conference button		
Group conference	Audio conference with participants in a contact group			

## eSpace 7900 Technical Specifications

Parameter	7910	7950
Screen	2.83-inch, 320 x 240 pixels, 260 thousand colors, color screen	5-inch, 800 x 480 pixels, 16 million colors, color screen
LEDs	Line, Message Waiting Indicator (MWI), Mute, Speaker, Call History, Headset, and programmable button LEDs	
Angle adjustment	2 adjustable angles	
Buttons	<ul style="list-style-type: none"> <li>• 2 line buttons</li> <li>• 5 navigation buttons: Up/Down/Left/Right/OK</li> <li>• 10 programmable buttons</li> <li>• 4 soft keys</li> <li>• 4 fixed function buttons (with LEDs): Speaker, Headset, Mute, and Call History</li> <li>• 7 fixed function buttons (without LEDs): Home, Message, Volume, Contacts, Hold, Conference, and Transfer</li> </ul>	<ul style="list-style-type: none"> <li>• 6 line buttons</li> <li>• 5 navigation buttons: Up/Down/Left/Right/OK</li> <li>• 4 soft keys</li> <li>• 4 fixed function buttons (with LEDs): Speaker, Headset, Mute, and Call History</li> <li>• 5 fixed function buttons (without LEDs): Home, Message, Volume, Contacts, and Forward</li> </ul>
Ethernet ports	2 GE ports: 10/100/1000 Mbit/s adaptive, support for VLAN configuration	
Handset port	RJ-9	
Headset port	RJ-9	RJ-9/USB
PoE	Class 1	Class 2
Power adapter	Input: 100–240 V AC Output: 5 V DC, 2 A	
Dimensions	231 mm x 208 mm x 103 mm	217 mm x 208 mm x 124 mm
Power consumption	About 3.84 W	About 6.49 W
Weight	About 0.85 kg	About 0.9 kg

## eSpace 7903X Technical Specifications

Parameter	Specification
IP phone support	eSpace 7950
Screen	5-inch, 480 x 800 pixels, 16 million colors, color screen
Language display	Arabic, Chinese (simplified and traditional), English, French, Portuguese, Russian, Spanish, and Turkish
Buttons	20 programmable buttons and 2 page buttons
Maximum number of pages	2
Maximum number of programmable buttons	40
Maximum number of expansion modules for each eSpace 7950	3
Functions	Speed dial, BLF, contact group, XML application, phone lock, phone sleep, call forward, pickup, group pickup, call park, and DND
Power adapter	Input: 100–240 V AC Output: 5 V DC, 2 A
Power consumption	About 3 W
Dimensions	209 mm x 130 mm x 67.5 mm
Weight	About 0.41 kg

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