



**eSpace 8950 IP Phone  
V100R001C00  
Product Description**

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# 1 Product Positioning and Highlights

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eSpace 8950 is a high-end video IP phone that features a sleek, elegant design. It delivers a revolutionary high-definition (HD) video calling and conferencing experience and is well-suited for senior executives, key decision-makers, and managing assistants.

eSpace 8950 has the following features:

- 8-inch multi-touch capacitive full-view in-plane switching (IPS) screen with a 1280 x 800 resolution
- Runs on the Android 4.2.2 operating system and supports a large variety of third-party applications
- Opus full-band audio codec and dual speakers provide high-fidelity audio
- Delivered with an external USB camera
- High-performance audio and video engine with packet loss protection
- Simple and elegant user interface that provides an intuitive HD audio and video conferencing experience
- Dual-band 2.4 GHz/5 GHz WiFi, high-speed Bluetooth technology with ultra-low power consumption, 48 k wideband audio

[Figure 1-1](#) shows the appearance of eSpace 8950.

**Figure 1-1** Appearance of eSpace 8950



# 2 Features and Functions

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## 2.1 Multi-service Support

### 2.1.1 Phone Features

#### Multiple Lines

With regard to the multi-line feature, eSpace 8950 supports the following:

- Registration of a maximum of 24 lines at the same time, with each line supporting multiple concurrent calls.
- Usage display for each line button, including the number, availability, and status of the line configured for the line button.
- Line switching using the line button. On each line, users can use the line button to hold or resume a call.

#### Audio Mute

eSpace 8950 allows a user to mute an ongoing call. With audio mute enabled, the user can still hear the peer party, but the peer party cannot hear the user. After the local end is muted, the Mute LED turns red and the Mute icon on the display turns blue.

#### Video Shutdown

eSpace 8950 allows a user to stop video transmission during a video call. After video is disabled, the local end can continue watching the video of the peer end, but the peer end cannot view the video of the local end.

#### Video Preview

eSpace 8950 supports video preview during an ongoing call or when no call is in progress. In video preview mode, users can optimize the video feed by adjusting the video brightness, contrast, and size.

#### Caller ID

eSpace 8950 displays the number of an incoming call.

When a calling number matches a phone number in the contact list, eSpace 8950 also displays the corresponding contact information such as the name, profile picture, department.

## Call History

eSpace 8950 records the call history and can display of a maximum of 100 records for received calls, missed calls, and placed calls each.

eSpace 8950 allows the following operations:

- View missed calls on the home screen.
- Perform operations from the call history:
  - Directly dial a number, edit a number before placing a call, or add a number to the contact list.
  - Delete a call record from the call history, or clear the call history.
  - Select the target number from the call history during a call transfer or conference.

## Phone Lock

eSpace 8950 supports automatic and manual phone lock. A password is required to unlock eSpace 8950.

A locked phone prevents unauthorized or accidental phone operations.

## Languages

eSpace 8950 allows users to switch between languages.

- Display: Arabic, Chinese (simplified and traditional), English, French, German, Hungarian, Polish, Portuguese, Russian, Spanish, and Turkish
- Input: Arabic, Chinese (simplified and traditional), English, French, Portuguese, and Spanish

## Local Conference

eSpace 8950 allows users to create local conferences by adding another party to an active two-party call or by merging calls. After a local conference is set up, the initiator can perform management operations, including adding participants (upper limit: six participants, including the initiator), muting participants, removing participants, viewing participant details, and ending the conference.

## Speed Dial

eSpace 8950 allows users to drag the Speed Dial plug-in to the desktop and add frequently-used numbers to the plug-in. The system then automatically generates speed-dial labels for these numbers. Users can tap a speed-dial label to initiate an audio or video call.

eSpace 8950 also allows users to add, delete, and modify speed-dial labels.

## Emergency Call

eSpace 8950 allows users to place emergency calls even when the phone is locked or unregistered. An emergency call will carry the current geographical location of the phone.



## Contacts

eSpace 8950 can store a maximum of 1000 contact records, each containing a profile picture, name, department, and phone number. eSpace 8950 allows the following operations on contacts:

- Add, modify, and delete contacts and groups.
- View a contact's status (busy, idle, or offline), directly call a contact, and edit a number before placing a call.
- Import contacts from or export contacts to .csv or .vcf files through the USB port or web page.

## LDAP Directory

eSpace 8950 allows users to query a contact in the LDAP-based corporate directory (LDAP stands for Lightweight Directory Access Protocol). Users can obtain the following contact information: name, department, position, office number, home number, mobile number, soft terminal number, and other numbers (if available).

eSpace 8950 can interoperate with common Microsoft active directory (AD) servers to support:

- Real-time display of query results.
- Further operations on query results, including viewing contact details, adding a contact to the local contact list, and calling contacts.

## Dial Plan

eSpace 8950 allows users to configure dial rules, including instant calling, delayed calling, number replacement, and number prefix or suffix. When the number entered matches a preset dial rule, eSpace 8950 automatically converts the number according to the corresponding rule (for example, adding a prefix or replacing the number with another one), and then calls the new number.

## Preferences

eSpace 8950 allows users to customize services on the LCD screen or web page. For example, users can customize ringtones, wallpapers, and audio sources.

- Ringtone customization: Users can use the default ringtone, or import a ringtone file. Users can also set different ringtones for internal calls and external calls.
- Wallpaper customization: Users can use the default wallpaper and preview a wallpaper before using it. Users can also import a picture to use as the wallpaper. The supported picture formats are .png, .bmp, and .jpg.
- Audio source control: Users can set default audio output to allow audio output from the headset or speaker. By default, audio is output from the speaker.

eSpace 8950 allows users to drag frequently used applications or widgets to the desktop, and adjust the size and location of widgets.

## Android-bundled Applications

eSpace 8950 is factory-installed with common Android-bundled applications, such as calculator, calendar, clock, email, gallery, and browser.

These Android-bundled applications are released with the phone, and users cannot uninstall these applications.

## External Camera

eSpace 8950 supports an external USB camera, which collects and processes video signals and then transfers video code and streams to the phone through the USB port.

The USB camera is equipped with a dual-color LED (blue/red) to show its operating status. If you do not want the peer end to view your video, close the camera shutter.

## PoE

eSpace 8950 supports power over Ethernet (PoE).

## 2.1.2 IPT Features

### Audio Call

eSpace 8950 provides basic telephony functions after registering with the server, including answering, hanging up, and ignoring calls.

### Audio Codec Format

An audio codec format refers to the VoIP codec standard in use. Voice audio is made of continuous analog signals. To transmit voice audio over an IP network, it must be sampled into a digital signal, and then compressed to reduce bandwidth usage. Digital signals will be decoded back to voice audio at the receive end.

Supported audio codec formats include G.711 and G.729.

### Video Call

eSpace 8950 supports basic point-to-point video calls, during which both parties can view each other's video.

Both parties must have the video capability before they can make a video call. Users can switch between voice calls and video calls.

### Video Codec format

A video codec format refers to the video codec standard in use. To transmit video over an IP network, video signals must be encoded, which means collected video digital signals are compressed before transmission to reduce bandwidth usage. Packets will be decoded back to video signals at the receive end.

Supported video codec formats include H.264 and MJPEG1/2/4.

### Call Hold

eSpace 8950 supports call hold, which allows users to place an ongoing call on hold and resume the call later.

## Call Waiting

eSpace 8950 supports call waiting. If the current line is occupied and one or more idle lines are available, the system will display an incoming call notification when a new call comes in.

## Call Transfer

eSpace 8950 allows a user to transfer an ongoing call to a specified user. The other party on the call can then talk with the specified user.

eSpace 8950 supports two types of call transfer modes: blind and consult.

## Call Forward

eSpace 8950 is able to forward calls to a preset phone number or voicemail.

eSpace 8950 supports four different call forward modes: Call Forward All (CFA), Call Forward Busy (CFB), Call Forward No Answer (CFNA), and Call Forward Offline (CFO).

## Call Divert

eSpace 8950 allows a user to transfer an incoming call to a specified user, with no need for the user to set up a call with this specified user. The other party on the call can then talk with the specified user.

## Distinctive Ring

eSpace 8950 supports different ringtones for internal and external calls.

## Auto Callback (Available only in IMS+UC)

With auto callback, eSpace 8950 allows a user to register an auto callback service with the server when the dialed number is busy or does not respond. The server will automatically initiate a call to the calling number when detecting that the dialed number is reachable. After the calling party answers the call, the server calls the dialed number.

## Busy Lamp Field (BLF)

eSpace 8950 allows users to monitor the status of specified numbers through a collection of LEDs on the phone. The LEDs use different colors to indicate number status, such as busy, idle, and away.

## DND

When Do Not Disturb (DND) is enabled, no calls will be received.

## Advanced Secretary Service

eSpace 8950 supports the advanced secretary service, which allows a manager and his or her secretary to share a phone number. When a user dials the manager's phone number, the manager's and secretary's phones ring at the same time. The secretary can then answer the call for the manager. If the secretary needs to ask the manager for a decision, the secretary can call the manager using the private line between them. The manager can then answer the user's call by pressing the line button.

## 2.1.3 UC Features

### Linkage

The linkage function links eSpace 8950 with an eSpace Desktop (an eSpace PC client). With the linkage function enabled, the status between eSpace 8950 and the linked eSpace Desktop is synchronized, and users can use the linked eSpace Desktop to place, answer, or end calls for eSpace 8950.

### Voicemail

eSpace 8950 allows users to set a voicemail, so that incoming calls can be transferred to the voicemail when the users are unavailable. This service ensures that no calls are missed.

eSpace 8950 displays the number of unread messages in the voicemail.

### Visual Voicemail

eSpace 8950 supports visual voicemail, which allows users to view related information when retrieving a message. The information includes the sender, sending time, message size, whether the message has been read, and the priority of the message.

When listening to a message, users can perform the following operations: pause, resume, fast forward, rewind, forward, listen to the previous/next message, call back, and delete.

### Corporate Directory

eSpace 8950 allows users to query enterprise employees' information, including the profile picture, name, department, and phone number. eSpace 8950 displays the search result returned from the server after users enter the search criteria on the corporate directory screen. Users can perform further operations on the search result, for example, querying contact details saving a contact to the local address book, or calling a contact.

### Mobile Connect (Available Only in IMS+UC)

eSpace 8950 supports the mobile connect feature, which allows users to switch calls back and forth between eSpace 8950 and any IP phone or mobile phone bound to it.

### Name and Department Display

eSpace 8950 automatically queries the contact list or corporate directory during an incoming or outgoing call, and displays the calling party's or called party's name and department.

### Profile Picture Display

eSpace 8950 automatically queries the contact list or corporate directory during an incoming or outgoing call, and displays the calling party's or called party's profile picture.

### Status Display (Available Only in IMS+UC)

eSpace 8950 displays contact status in the corporate directory, call history, contact list, and speed dial. Contact status includes online, busy, DND, away, and offline.

eSpace 8950 allows users to publish their own status for their online friends to view in real time.

## Extension Mobility

Extension mobility allows a user to use his or her IP phone's extension number and password to log in to any other IP phone. The user's configuration will be automatically downloaded to the IP phone that the user logs in to. If the IP phone to which the user logs in is a different model from the user's original phone, only the functions that the new login IP phone supports take effect.

A user's configuration includes the services to which the user has subscribed, contacts, call history, and preferences. Note that, to protect contact information security, the contacts originally stored on the new login IP phone are cleared.

## 2.1.4 Conference Features

### Instant Conference (Available Only in IMS+UC)

eSpace 8950 allows users to initiate instant multi-party voice conferences. The moderator (initiator) can perform control operations, such as adding and deleting participants as well as modifying participants' rights. During a conference, all participants can view basic information, such as the participant list, number of participants, and conference time, but they do not have control operation rights.

### Group Conference (Available Only in IMS+UC)

eSpace 8950 allows users to initiate a voice conference from a contact group. The system then sends a conference invitation to all group members. The moderator (initiator) can perform control operations such as adding and deleting participants as well as forbidding a participant to talk to other participants.

### Scheduled Conference

eSpace 8950 can receive notifications for conferences scheduled on the conference system portal. Users can join a conference directly from the conference notification without having to enter the conference ID and password.

### Video Conference (Available Only in IMS+UC)

eSpace 8950 allows conference participants to view each other's videos. They can enable and disable their own video, view video in full-screen mode, close the video window, and drag the video window to any place.

### Conference Control

eSpace 8950 allows a conference moderator and participants to perform the following conference control operations:

- Moderator: add, delete, mute, and unmute participants, as well as modify participants' rights
- Participants: control their own microphones and cameras

## 2.2 High-Fidelity Voice Quality

To ensure high voice quality, eSpace 8950 uses various digital signal processing (DSP) techniques, including voice activity detection (VAD), automatic gain control (AGC), comfort noise generation (CNG), and packet loss compensation (PLC). eSpace 8950 supports a variety of international audio codec protocols, including G.722, G.711a, G.711 $\mu$ , G.729AB, and iLBC. eSpace 8950 also supports automatic protocol adaptation by choosing a suitable codec protocol for the peer device.

As for the integral components of eSpace 8950, the speaker, handset, and headset all provide high-fidelity voice quality.

## 2.3 Superb Network Adaptability

### 2.3.1 Multiple Methods for Obtaining IP Addresses

eSpace 8950 can be used in a variety of networking environments. A user can manually set a static IP address or obtain a dynamic IP address through the Dynamic Host Configuration Protocol (DHCP) or Point-to-Point Protocol over Ethernet (PPPoE).

### 2.3.2 QoS

eSpace 8950 supports Layer 2 (802.1Q or 802.1p) and Layer 3 (ToS or DSCP) configurations, providing optimal voice quality over an IP network.

## 2.4 Multiple Auxiliary Ports

eSpace 8950 provides a variety of ports to connect to auxiliary devices.

- One handset port (RJ-9)
- One headset port (3.5 mm)
- Two USB ports

USB ports support standard USB peripherals, including:

- USB headsets
- USB storage devices, from which ringtones, wallpapers, and contacts can be imported

- One USB camera port

The port only supports the USB camera delivered with eSpace 8950.

- Bluetooth

The embedded Bluetooth module supports Bluetooth headsets.

- Two 10/100/1000 Mbit/s network ports

The ports can directly connect eSpace 8950 to PCs without additional cables, which reduces cabling costs.

- One Micro SD card slot

- One HDMI port

The port connects eSpace 8950 to another display device.

## 2.5 Security

### 2.5.1 Transport Layer Security

eSpace 8950 supports encrypted transmission at the signaling and media layers.

Signaling encryption refers to SIP message transmission in calls and conferences over Transport Layer Security (TLS) channels, to ensure secure SIP negotiation.

eSpace 8950 uses the Secure Real-time Transport Protocol (SRTP) for media encryption, preventing eavesdropping, thereby meeting enterprise security requirements. SRTP uses the AES-128 algorithm to ensure RTP payload confidentiality and uses the HMAC\_SHA1 algorithm to ensure data integrity and protect data from malicious attacks.

### 2.5.2 Configuration File Encryption

To ensure security of key information (such as passwords) in the eSpace 8950 configuration file, eSpace 8950 supports download of AES-128-encrypted configuration files from the eSight network management system.

### 2.5.3 802.1x Authentication

802.1x is a port-based network access control protocol. It authenticates and controls devices connected to the LAN. A device connected to an 802.1x-enabled switch port can access resources in the LAN only after the device is authenticated.

eSpace 8950 supports 802.1x authentication that uses EAP-MD5 and EAP-TLS algorithms to ensure security of an eSpace 8950 connected to the system.

### 2.5.4 802.1x Logoff-Proxy

This feature allows eSpace 8950 to invalidate access authentication for a PC if the PC goes offline. eSpace 8950 automatically detects whether a device is connected to its PC port. With 802.1x authentication enabled, if eSpace 8950 detects that the device connected to its PC port goes offline, it instructs the switch to invalidate the device access authentication. This helps effectively prevent unauthorized network access.

## 2.6 Reliability

### 2.6.1 Multi-registration

eSpace 8950 supports simultaneous and sequential registration.

- Sequential registration

eSpace 8950 initiates a registration request to the active, standby, and local servers in sequence. At every registration update interval (1/2 registration period), eSpace 8950 tries to register with the highest priority server. If this server does not respond within a specified period (3s by default, but configurable), eSpace 8950 tries the server with a lower priority.

- Simultaneous registration

eSpace 8950 registers with the active, standby, and local servers at the same time. When eSpace 8950 initiates a call, the call is connected to the active server first. If the active

server does not respond within a specified period (3s by default, but configurable), the call is switched to the standby server. If the standby server also does not respond within the specified period, the call is switched to the local server. Subsequent calls will be initiated to the highest priority server until the registration period is updated.

## 2.6.2 eSight Redundancy

eSpace 8950 supports eSight redundancy. The eSight server domain name configured on the DNS server is mapped to the IP addresses of both the active eSight and the standby eSight. When eSpace 8950 receives the IP addresses resolved by the DNS server, eSpace 8950 initiates a connection request to the active eSight first. If the active eSight fails to respond, eSpace 8950 connects to the standby eSight.

## 2.6.3 AA Server Redundancy (Available Only in IMS+UC)

eSpace 8950 supports Authentication Authorization (AA) server redundancy. During eSpace 8950 login authentication, if the active AA server fails, eSpace 8950 automatically switches to the standby AA server to ensure services remain functional.

## 2.6.4 Corporate Directory Server Redundancy (Available Only in IMS+UC)

eSpace 8950 supports corporate directory server redundancy. During a corporate directory query, if the active corporate directory server fails, eSpace 8950 automatically switches to the standby corporate directory server.

## 2.7 Openness

eSpace 8950 supports a variety of standard third-party applications to meet diverse user requirements.

Users can install applications from a USB or SD card or install applications downloaded using the built-in browser. Newly-installed applications can be deleted or upgraded.

## 2.8 Management Features

For convenient use and maintenance, eSpace 8950 allows users to quickly locate faults through the advanced settings page, logs, and the eSight network management system.

### 2.8.1 TR069-based Management on eSight

eSpace 8950 supports remote management through eSight using the TR069 protocol. Users can perform the following operations on eSight: restoring eSpace 8950 factory settings, updating eSpace 8950 configuration, automatic deployment, restart, uploading configuration, upgrade, and exporting log files.

### 2.8.2 DHCP-based Management

eSpace 8950 allows users to perform batch upgrades and configurations using DHCP parameters.



## 2.8.3 Log Export

eSpace 8950 logs key information, including registration success, registration failure, network disconnection, and faults, so maintenance personnel can quickly locate and rectify faults as soon as they occur. Users can export logs to a local computer through the web page or use eSight to export logs to the eSight server.

## 2.9 Media Features

### 2.9.1 Three-Meter Audio Pickup

eSpace 8950 has a powerful hands-free microphone and audio processing algorithms that can pick up audio from a distance of up to 3 meters during a hands-free call.

### 2.9.2 Audio VQE

Audio voice quality enhancement (VQE) encompasses three features: automatic gain control (AGC), acoustic echo cancellation (AEC), and automatic noise restraint (ANR).

Audio VQE provides a series of audio algorithms designed to improve audio quality based on the analysis of echo, noise, and effectiveness of signals for current audio.

### 2.9.3 Audio HAC

The eSpace 8950 headset is hearing aid-compatible (HAC) to prevent electromagnetic interference from affecting users wearing hearing aids.

### 2.9.4 QoS Marking

With quality of service (QoS) marking enabled, NEs mark different types of packets to send (for example, SIP signaling and RTP media) with different priorities. Switches and routers use different queuing and forwarding policies to perform classification, traffic policing and shaping for packets during packet transmission. Priority marking is usually implemented at Layer 2 (data link layer) or Layer 3 (IP network layer).

- The Layer 2 priority marking mechanism is usually 802.1p.
- Layer 3 priority marking mechanisms include type of service (TOS) and **Differentiated Services Code Point** (DSCP). DSCP is forward compatible with TOS.

### 2.9.5 Echo Cancellation

The echo cancellation feature is designed to conceal acoustic echoes that occur in the microphone to minimize the effects of the local audio card shift.

### 2.9.6 Jitter Buffer

In voice over IP (**VoIP**), a jitter buffer is a shared data area where voice packets can be collected, stored, and sent to the voice processor in evenly spaced intervals. Jitter is a variation in packet arrival time, and can occur because of network congestion, timing drift, or route changes. The jitter buffer, which is located at the receive end of the voice connection, intentionally delays the arriving **packets** so that the end user experiences a clear connection with minimal sound distortion.

## 2.9.7 VAD and CNG

Voice activity detection (VAD) technology is used to save bandwidth resources during voice calls.

If a decoder does not receive any audio packets after receiving a silence packet, the decoder generates a comfort tone locally based on noise energy of the silence packet, so as to minimize the impact of silence compression between speech and pause. Comfort noise generation (CNG) provides a comfortable user experience during voice communications.

VAD and CNG are usually used together, and VAD is usually implemented through system configurations.

## 2.9.8 Automatic Gain Control

Automatic gain control (AGC) keeps the voice level within a reasonable range.

## 2.9.9 Side Tone Cancellation

Side tone is generated by system noise, phone hardware circuit noise, and surrounding environment noise. Side tone cancellation mitigates or even eliminates this noise while at the same time ensuring a good user experience by inserting a comfort tone during voice communications.

## 2.9.10 PIP

Picture in Picture (PIP) supports four video display modes: large local image and small remote image, large remote image and small local image, local image only, and remote image only. During a video call, users can switch the position of the local preview image and remote image, or display the local or remote image only.

## 2.9.11 Video Dual-Display

Video dual-display enables eSpace 8950 to display video on another display connected to its HDMI port, in addition to the LCD screen of eSpace 8950. This feature allows users to display video on a large display.

## 2.9.12 Video Resolution

The administrator can set the maximum resolution supported by the system in accordance with the network bandwidth.

# 3 Technical Specifications

## Hardware Specifications

Table 3-1 lists the hardware specifications of eSpace 8950.

**Table 3-1** Hardware specifications

Feature/Module	Specification
Screen	8-inch multi-touch capacitive touchscreen with a 1280 x 800 resolution
Camera	External USB camera, delivered with eSpace 8950, that supports up to 1080p at 30-fps and is tilt-adjustable (+15 degrees to -25 degrees relative to the screen)
LEDs	MWI, Mute, Speaker, Camera, and Lock LEDs
Handset	Corded handset (RJ-9)
Buttons	<ul style="list-style-type: none"> <li>Fixed function buttons with LEDs: Speaker, Lock, Mute</li> <li>Fixed function buttons without LEDs: Volume</li> </ul>
Network ports	Two 10/100/1000 Mbit/s network ports
Wi-Fi	IEEE 802.11 a/b/g/n
Handset port	One RJ-9 port
Headset port	One 3.5 mm port
USB 2.0 ports	Two USB 2.0 ports that support various peripherals, such as USB flash drives, headsets, keyboards, and mice
USB camera port	One USB camera port that supports only the USB camera delivered with eSpace 8950
Bluetooth	Bluetooth 3.0 Bluetooth module that supports Bluetooth headset
PoE	Class 3
Power adapter	Input: 100 V to 240 V AC Output: 12 V DC, 2 A

Feature/Module	Specification
	Support for standards used in China, Europe, UK, USA, Australia, Brazil and Saudi standards
Dimensions	260 mm (W) x 72mm (D) x 236 mm (H)
Operating temperature	0°C to 45°C
Storage temperature	-25°C to +70°C
Operating humidity	10% to 95%
Storage humidity	10% to 95%
Typical power consumption (approx.\W)	12 W
Weight (approx.)	unpacked:1.30kg packaged:1.85kg
Certifications	<ul style="list-style-type: none"> <li>• EU: RoHS, WEEE, REACH, CE</li> <li>• Saudi Arabia: SASO</li> <li>• USA: NRTL (UL), FCC</li> </ul>

## Technical Specifications

Table 3-2 lists the technical specifications of eSpace 8950.

**Table 3-2** Technical specifications

Category	Feature	Specification
Protocols	Network protocols	TCP/IP, SIP, SDP, UDP, RTP, RTCP, DHCP, DNS, HTTP, HTTPS, SNTP, XCAP, IPv4, IPv6(Static)
Phone features	Audio codec	G.711a/G.711μ/G.729AB/G.722/ iLBC/Opus
	Audio features	<ul style="list-style-type: none"> <li>• Inband and RFC2833</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>

Category	Feature	Specification
		<ul style="list-style-type: none"> <li>Buzz cancelation</li> </ul>
	Video features	Video encoding and decoding format: H.264 MP/BP
		Video bandwidth: 512 kbit/s to 2.5 Mbit/s
		Video resolution: <ul style="list-style-type: none"> <li>QVGA (320 x 240 pixels)</li> <li>CIF (352 x 288 pixels)</li> <li>VGA (640 x 480 pixels)</li> <li>4CIF (704 x 576 pixels)</li> <li>720p (1280 x 720 pixels)</li> <li>1080p (1920 x 1080 pixels)</li> </ul>
		HDMI resolution/frame rate: 1.4
		Picture in picture (PIP), full-screen display of the remote video, and local video preview
	Call history	<ul style="list-style-type: none"> <li>Up to 100 records for placed, received, and missed calls each</li> <li>Missed call notification</li> </ul>
	Contacts	<ul style="list-style-type: none"> <li>Up to 1000 contacts</li> <li>Contact import or export through the USB port or web page</li> <li>Contact file in .csv or .vcf format</li> </ul>
	Groups	A maximum of 32 groups, with a maximum of 400 members in each group
	Languages	<ul style="list-style-type: none"> <li>Display: Arabic, Chinese (simplified and traditional), English, French, German, Hungarian, Polish, Portuguese, Russian, Spanish, and Turkish</li> <li>Input: Arabic, Chinese (simplified and traditional), English, French, Portuguese, and Spanish</li> </ul>
	Wallpaper import	Format: .png, .bmp, or .jpg
	Local conference	<ul style="list-style-type: none"> <li>Six-party voice conference</li> <li>Operations including adding, muting, and removing participants</li> </ul>
	Android system features	Android-bundled applications; customizable home screen

## Service Support

Table 3-3 lists the services supported by eSpace 8950 in the UC2.2, and IMS+UC network environments.



**NOTE**

Meanings of letters Y, and N in [Table 3-3](#):

- Y: supported
- N: not supported

**Table 3-3** Service support

Service	UC2.2	IMS(10.1)+UC/ UC2.0C50
Call Waiting	Y	Y
Call Hold	Y	Y
Call Transfer	Y	Y
Call Forward	Y	Y
Call Divert	Y	Y
DND	Y	Y
Advanced Secretary Service	Y	Y
Call Park	N	N
Pickup	N	N
Group Pickup	N	N
BLF	Y	N
Distinctive Ring	Y	Y
Auto Callback	N	Y
Voicemail	Y	Y
Abbreviated Dial	Y	Y
Corporate Directory	Y	Y
Name and Department Display	Y	Y
Profile Picture Display	Y	Y
Presence	N	Y
Linkage	Y	Y
Call Recording	N	N
Contact Synchronization	N	Y
Mobile Connect	N	Y
Instant Conference	N	Y
Group Conference	N	Y

<b>Service</b>	<b>UC2.2</b>	<b>IMS(10.1)+UC/ UC2.0C50</b>
Extension Mobility	Y	Y