

Huawei IP Phone eSpace 7870

Huawei IP phone eSpace 7870 (eSpace 7870 in short) is a next generation 6-line IP phone using Session Initiation Protocol (SIP). It has a variety of functions and is easy to use. Its features are as follows:

- User-friendly interactive liquid crystal display (LCD) interface
- TI TITAN chipset using the TI voice engine technology, which provides high-fidelity voice quality with the help of a high-quality handle, speaker, and headset
- Different types of function keys for a better user experience, such as soft keys, programmable keys, navigation keys and volume key.
- Automatic deployment technology, simplifying the deployment process for system administrators
- Signaling and media encryption, and Web management pages based on Hypertext Transfer Protocol Secure (HTTPS)



Figure 1-1 Appearance of IP phone eSpace 7870



Technical Specifications

Category	Item	Parameter
Standard	Communications protocol	SIP v2
	Audio format standard	G.711A, G.711 μ , G.722, G.726, G.729AB, G.723.1, iLBC
	Network protocol	TCP/IP/UDP, RTP/RTCP, HTTP, ARP/RARP, ICMP, DNS (A record and SRV), DHCP (client), PPPoE, NTP/SNTP, TFTP
Audio	Automatic Echo Cancellation (AEC)	
	Automatic Gain Control (AGC)	
	Packet Loss Compensation (PLC)	
	Adjustment Jitter Buffer (AJB)	
	Voice Activity Detection (VAD)	
	Comfortable Noise Generation (CNG)	
LCD	Resolution: 480 x 272 pixel, 4.3 inch, TFT color display	
	Language: Chinese (simplified and traditional), English, French, German, Italian, Polish, Portuguese, Spanish, Turkish	
External interface	Ethernet ports	2 x RJ-45 ports, 10/100/1000Base-T
	Headset ports	RJ-9
Function key	<ul style="list-style-type: none"> Voice mailbox key, headset mode key, call holding key, call transfer key, conferencing key, hands-free key, mute key, redial key 6 LINE keys 6 navigation keys 10 programmable keys 4 soft keys a volume key 	
Call feature	Call holding, call transfer, call waiting, DND, call forwarding, call muting, redial, call record, volume adjustment, anonymous call, instant dialing, and automatic response	
UC features	Extension mobility, enterprise directory, caller name and department presentation, Linkage with eSpace PC client, portrait presentation	
Security feature	<ul style="list-style-type: none"> Signaling encryption: TLS Voice encryption: SRTP, 128-bit AES Web access encryption: HTTPS 	
Function	Directory	<ul style="list-style-type: none"> Local directory: 1000 contacts LDAP directory
	Call history	Records the numbers for history calls, consisting of up to 100 received call numbers, missed call numbers, and dialed call numbers
	Ring tone setting	Allows users to customize ring tones and set a ring tone for a specified number or user group
	Status display	The 10 programmable keys can be configured to display the status of other IP phones.
	Message waiting indicator (MWI)	Provides MWI that blinks for new voice messages
	Speed dialing	The 10 programmable keys can be configured for speed dialing.
Electrical feature	Power supply adapter	Input: 100–240 V AC 50/60 Hz Output: 5 V DC, 2 A
	POE	Power over Ethernet
	Power consumption	4.2W
Environment requirements	Working temperature	0° C–40° C
	Working humidity	10%–90% (non-condensing)
	Storage temperature	-10 ~ 70° C
	Storage humidity	10%–90% (non-condensing)
Authentication	FCC/CE/RoHS	
Physical features	Dimensions (H x W x D)	42 mm x 273 mm x 204 mm
	Weight	1.05 kg
	Installation mode	Placed on a desk

Copyright © Huawei Technologies Co., Ltd. 2012. All rights reserved.

HUAWEI TECHNOLOGIES CO., LTD.

General Disclaimer

The information in this document may contain predictive statements including, without limitation, statements regarding the future financial and operating results, future product portfolio, new technology, etc. There are a number of factors that could cause actual results and developments to differ materially from those expressed or implied in the predictive statements. Therefore, such information is provided for reference purpose only and constitutes neither an offer nor an acceptance. Huawei may change the information at any time without notice.

Huawei Industrial Base

Bantian Longgang

Shenzhen 518129, P.R. China

Tel: +86-755-28780808

Version No.: M3-001033183-20120320-C-2.0

www.huawei.com