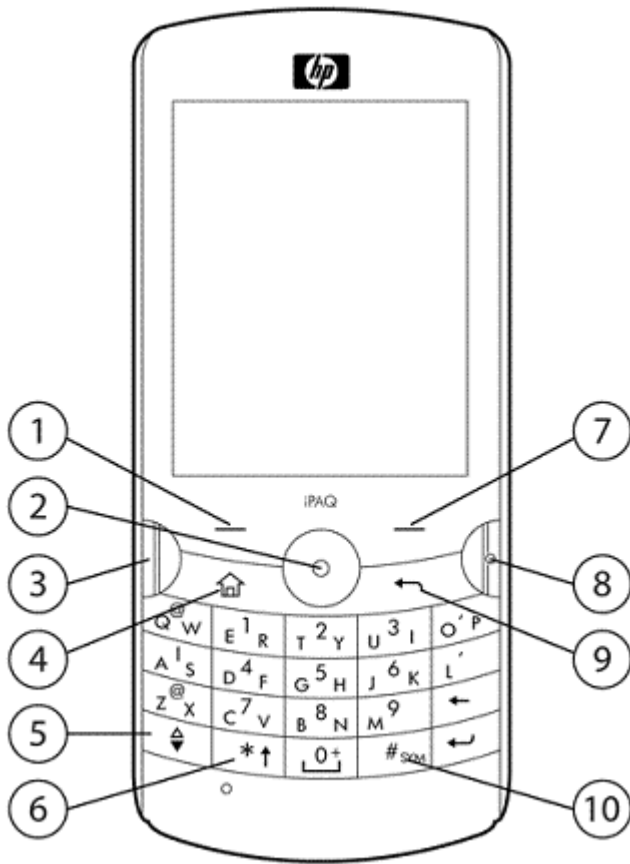
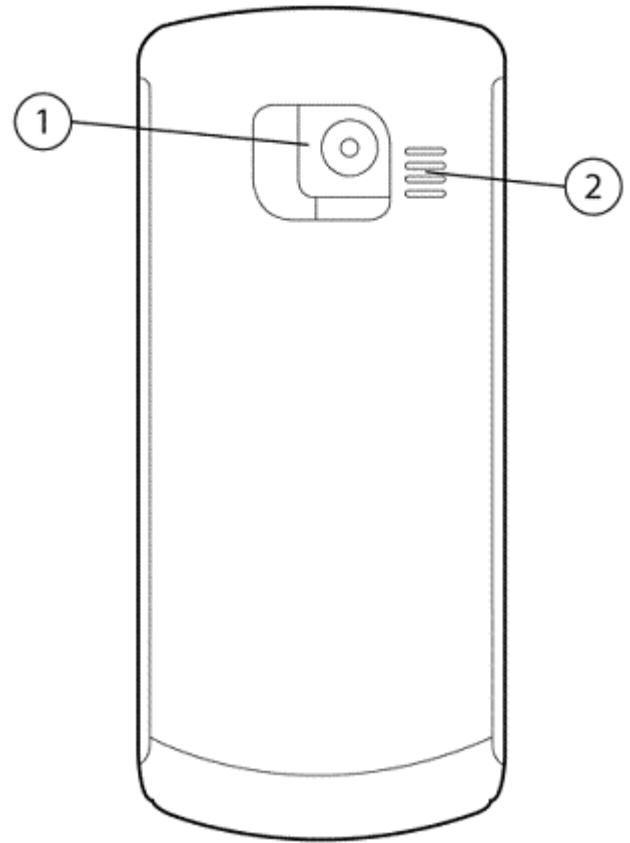


Overview



Front

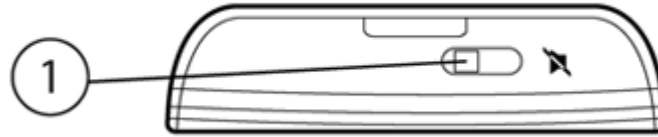
1. Start key (soft key)
2. 5-way optical navigation with center select
3. Answer/Send key (green)
4. Home key
5. Option key
6. Star/Shift key
7. Contacts key (soft key)
8. End/Power key (red)
9. Back key
10. Symbols key



Back

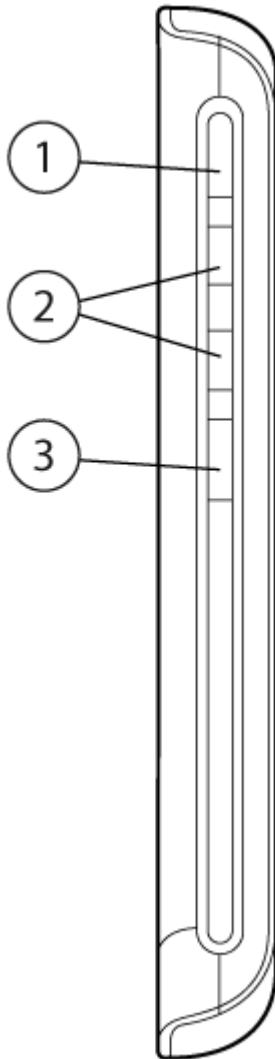
1. Camera (3.1MP, auto-focus, 5X digital zoom)
2. Speaker

Overview



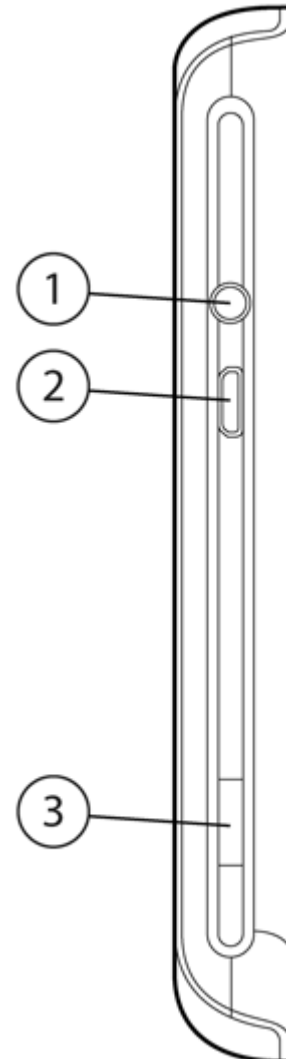
Top

1. Ringer/Sound switch



Left

1. Key Guard button
2. Volume up/down
3. Voice Commander button



Right

1. 2.5mm stereo headset jack
2. Micro-USB connector
3. Camera button

Overview

At A Glance

- Sleek phone-centric device with a 20-key QWERTY design for messaging and emails
- 3G wireless broadband connectivity for voice and data:^{1,2}
 - Tri-band UMTS (EMEA/Asia: 900/1900/2100MHz; Americas: 850/1900/2100MHz)
 - Quad-band GSM/GPRS/EDGE (850/900/1800/1900MHz)
 - HSDPA up to 3.6/7.2 Mbps
 - HSUPA up to 2.0 Mbps
- Operating system: Windows Mobile 6.1 Standard Edition
- GPS: integrated support⁶
- Display: 2.4-inch (60.96 mm) diagonal QVGA, 64K color, 240 x 320, non-touchscreen
- Camera: 3.1MP, auto-focus, 5x digital zoom, flash LED
- Wi-Fi: 802.11b/g¹
- Bluetooth: v2.0 + EDR¹
- Memory: 128MB mobile DDR SDRAM / 256MB NAND Flash memory
- Storage: MicroSD (support up to 8GB⁵)
- Battery: 1260 mAh Lithium-polymer
- Charge/sync connector: Micro-USB
- Headset: 2.5 mm stereo headset jack
- Dimensions: 114 x 50 x 13.6mm (H x W x D)
- Weight: 107 grams
- Navigation: 5-way optical navigation with center select
- Key software features:
 - Intelligent predictive text input
 - Threaded chat/text messaging
 - Snapfish Upload for photos
 - Jetcet PDF for PDF viewing
 - Jetcet Print for mobile printing
 - Light Sensor for display brightness control and battery preservation
 - Power Save Mode for battery conservation
 - Cyberon Voice Commander⁴ for hands-free dialing and device navigation
 - Google Maps and Google Search
 - Microsoft Outlook Mobile with direct push email (for Exchange, IMAP, POP3)
 - Microsoft Office Suite (Word Mobile, Excel Mobile, PowerPoint Mobile)
 - ArcSoft Media Player for real-time streaming¹
 - Microsoft Internet Sharing to connect your notebook PC to the Internet

NOTES:

¹ A standard GSM/GPRS/EDGE/UMTS/HSPA infrastructure, Wi-Fi network access, other Bluetooth-enabled devices, separately purchased equipment, and a service contract with a wireless service provider may be required for applicable wireless communication. Wireless Internet access requires separately purchased Internet service contract. Check with service provider for availability and coverage in your area. Not all web content available. Normal GSM Data Calls (CSD) are not basic GSM data services. These services may not be available via all service providers, and may require separate subscription. Establishment and continuation of a wireless connection depends on network availability, provider support and signal strength. Coverage is subject to transmission limitations and terrain, system, capacity and other limitations. Not all features and service options are available in all areas.

² Telephone service requires separately purchased contract with a telephone service provider with coverage in your service area. Additional fees may apply for some features, check with service provider.

³ Service levels and response times for HP Care Pack Services may vary depending on your geographic location. Restrictions and limitations apply. For details, visit www.hp.com/go/carepack.

⁴ The 'Read email' Voice Command feature is only available for email sent via an Exchange Server to the Outlook Inbox.

⁵ Sold separately or as an-add on feature.

⁶ Purchase of additional maps and/or GPS navigation software may be required to enable some features or allow navigation in

Overview

certain areas. Availability of maps is limited. Map coverage may vary and is not guaranteed.

Standard Features

Models

HP iPAQ Voice Messenger

FB142AA#B16	Argentina, Chile, Columbia, Mexico, Venezuela, Guatemala, Costa Rica, Panama, Honduras, El Salvador, Nicaragua, Puerto Rico, Dominican Republic, Antigua & Barbuda, Aruba, Bahamas, Barbados, Cayman Islands, Grenada, Guadeloupe, Haiti, Jamaica, Martinique, St. Kitts & Nevis, St. Lucia, St. Vincent & the Grenadines, Trinidad & Tobago, Turks & Caicos Islands, Virgin Islands
FB142AA#AC4	Brazil
FB142AA#ABG	Australia
FB142AA#ARE	Malaysia
FB142AA#UUF	Singapore, Thailand, Indonesia, Hong Kong
FB142AA#AK6	UK, Ireland, Netherlands, Iceland, Bulgaria, Luxembourg, UAE, Saudi Arabia, Kuwait, Bahrain, Qatar, Yemen, Oman, Lebanon, Czech Republic, Morocco, Greece, Hungary, Poland, Denmark, Sweden, Norway, Finland, Belgium, France, Germany, Italy, Malta, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Switzerland, Austria, Croatia
FB142AA#ABD	Germany, Switzerland, Austria
FB142AA#ABF	France, Belgium, Switzerland
FB142AA#AK9	Italy, Switzerland
FB142AA#ABE	Spain
FB142AA#ABH	Netherlands, Belgium
FB201AA#ACB	Russia
HP iPAQ Voice Messenger, top value	
FB142AT#ABD	Germany, Switzerland, Austria
FB142AT#ABF	France, Belgium, Switzerland
FB142AT#AK6	UK, Ireland, Netherlands, Iceland, Bulgaria, Luxembourg, UAE, Saudi Arabia, Kuwait, Bahrain, Qatar, Yemen, Oman, Lebanon, Czech Republic, Morocco, Greece, Hungary, Poland, Denmark, Sweden, Norway, Finland, Belgium, France, Germany, Italy, Malta, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Switzerland, Austria, Croatia
FB142AT#AK9	Italy, Switzerland
FB142AT#ABE	Spain
FB142AT#ABH	Netherlands, Belgium

Specifications

Processor

Qualcomm 7201A processor (528MHz, ARM)

NOTE: Processor numbering is not a measurement of higher performance.

Memory

128MB mobile DDR SDRAM main memory for running applications
256MB NAND flash memory

Standard Features

Display	Type	TFT Transmissive LCD with LED backlight
	Number of Colors	64K
	Touch Screen	No
	Resolution (W x H)	240x320
	Viewable Image Size	2.4" diagonal
Camera	Image quality	3.1 Megapixel
	Resolution (for photos)	320 x 240 (QVGA), 640 x 480 (VGA), 1280 x 960 (1MP), 1280 x 1024 (1.3MP), 1600 x 1200 (2MP), 2048 x 1536 (3MP)
	Digital zoom	5X
	Auto-focus	Yes
	Flash	Yes
Hardware Buttons	20-key keyboard in QWERTY configuration, Send and End keys, two "soft" application keys, 5 way optical navigation with center select, camera key, volume control, Voice Commander, ringer/sound switch, key guard, Home key, Back key	
Audio	Input	Voice recording Hands-free operation Microphone on bottom of unit
	Output	Speaker designed for voice playback Built-in speaker on the back of the device Speaker on front of unit for handset earpiece audio 2.5mm stereo headset jack Bluetooth A2DP stereo headset playback
Interface(s)	Micro-USB connector for charge/sync 2.5mm stereo headset jack	
Removable storage	MicroSD card slot, up to 8GB capacity ⁵	
Power	Battery	Removable/rechargeable 1260 mAh lithium-polymer
	Battery performance	NOTE: Battery run time varies based on the usage pattern of an individual user and the configuration of the handheld. Use of internal wireless capabilities and backlight will significantly decrease battery run time.
	AC power supply ratings	5W (5V/1A)
	AC adapter dimensions (HxWxD)	Varies by SKU: Interchangeable prong, detachable cable: 2.96 x 1.80 x 1.24 in (75.32 x 45.96 x 31.67 mm) Fixed prong, hardwire cable: 2.61 x 1.10 x 1.41 in (66.5 x 28 x 36 mm)

Standard Features

System Unit	Dimensions (HxWxD)	114 x 50 x 13.6mm
	Weight	107 grams (with battery) 79 grams (without battery)
	Temperature	Operating: 14° to 131° F (-10 to 55° C) Storage: -4° to 140° F (-20 to 60° C)
	Operating humidity	Up to 90% RH
Regulatory marks	EMC/Safety	cUL, FCC, Industry Canada, IDA, A-Tick, SIRIM, GOST, NCC, ANATEL, BT, Wifi
	Carrier interoperability	GCF 3.26, PTCRB 3.11.1
	Environmental	RoHS and WEEE compliance

In the box HP iPAQ Voice Messenger, standard 1260mAh rechargeable battery, micro-USB sync cable, AC charger, 2.5mm wired stereo headset, HP iPAQ Getting Started CD, documentation kit

Operating System Windows Mobile 6.1 Standard Edition

Applications/Links	Microsoft Office Mobile (Word Mobile, Excel Mobile, PowerPoint Mobile)	HP value-add applications/features: Keypoint Adaptxt predictive text input Google Maps Google Search ArcSoft MMS Composer ArcSoft Streaming Media Player Sun JVM HP Snapfish Upload Cyberon Voice Commander Westtek Jetcet PDF Westtek Jetcet Print MobiMate WorldMate (on CD) Power Save Mode Light Sensor Ringer/Sound Switch HP Asset Viewer HP iPAQ DataConnect Band Control HP SIM Manager Keyboard Backlight Key Guard
	Microsoft Office Outlook Mobile Internet Explorer Mobile Windows Live Windows Media Player Mobile Microsoft Internet Sharing	

NOTE: Programs may vary based on model. Some programs are accessed through CD links to download web sites. Some programs may require purchase of additional desktop software to utilize Smartphone versions.

Standard Features

Service and Support

HP Warranty and Services: 1 year parts and labor in most regions (2 years in EMEA); 90 days technical support for software in most regions.³

HP Business Support Center

- iPAQ Active Chat support 24x7
- Email-based support service
- On-line troubleshooting and self-help resources

HP Care Pack Services extend service contracts which go beyond your standard warranties. For more details visit: <http://www.hp.com/go/lookuptool>

NOTE: Additional offers may vary by region.

Wireless Wide-Area Network (WWAN) Specifications^{1,2}

Technology	UMTS – Universal Mobile Telecommunication System HSDPA – High-Speed Downlink Packet Access HSUPA – High-Speed Uplink Packet Access EDGE – Enhanced Data for Global Evolution GSM – Global System for Mobile Communications GPRS – General Packet Radio Services
Operation	Tri-band UMTS (EMEA/Asia: 900/1900/2100MHz; Americas: 850/1900/2100MHz) ¹ Quad-band GSM/GPRS/EDGE (850/900/1800/1900MHz) ^{1,2,3,4} HSDPA (3.6/7.2 Mbps) HSUPA (2.0 Mbps)
Power class	GSM 850/900 GMSK Power Class 4 (2W) GSM 1800/1900 GMSK Power Class 1 (1W) GSM 850/900 8-PSK Power Class E2 GSM 1800/1900 8-PSK Power Class E2 Band VIII 900 Power Class 3, +24dBm Band II 1900 Power Class 3, +24dBm Band I 2100 Power Class 3, +24dBm
GSM technology features	Half Rate, Full Rate, Enhanced Full Rate and Adaptive Multi-Rate (HR,FR/EFR/AMR)
EDGE technology features	Multi slot Class 10 Support for E-GPRS coding schemes MCS1 to MCS9 in both the uplink and downlink
GPRS technology features	Coding Schemes: CS1 to CS4
Antenna type	Internal
Supplementary services supported	Supplementary Service phase 2 Call deflection Call forwarding Call barring Multiparty Calling Line Identity Call Waiting Call Holding NITZ

Standard Features

Unstructured supplementary service data	USSD Phase 2 (MO & MT)
Messaging services	SMS (over CS and PS) both mobile-originated and mobile-terminated SMS MMS (Multimedia Message Service) CBS (Cell Broadcast Service)
SIM	Security: PIN/PIN2, PUK/PUK2 SIM standards, Phase 2, 2+, CPHS SIM Toolkit Release 4 (partially R6) BIP class E

Wireless LAN Specifications ¹	IEEE Standard(s)	802.11 b/g
	Frequency band	2.412 to 2.484 GHz
	Antenna type	Internal, 2.4GHz
	Modulation technique	OFDM (54, 48, 36, 24, 18, 12, 9, 6 Mbps) DSSS/CCK (1, 2, 5.5, 11 Mbps)
	Modulation schemes	OFDM/DSSS/CCK
	Receiver sensitivity – packet error rate	11 Mbps: min. -87 dBm (PER < 8%) 54 Mbps: min. -74 dBm (PER < 10%)
	Transmit output power	11 Mbps: 15 dBm 54 Mbps: 13 dBm
	Power consumption	Transmit Mode: 700mW Receive Mode: 240mW
	Operating distance	Up to 100 feet (outdoor open area)

Bluetooth® Specifications ¹	Technology	High-speed, low-power, short-range wireless communication with other Bluetooth devices
	Specification	BT 2.0 + EDR spec compliant
	Device type	Class II device; up to 4 dBm transmit, typical 10 meter range
	Power	HV3 SCO: 34mW (typical)
	Profile support	Headset Support Profile (HSP) Hands-free Profile (HFP) Advanced Audio Distribution Profile (A2DP) Personal Area Networking (PAN) File Transfer Profile – server (FTP) Serial Port Profile (SPP) General Access Profile (GAP) Generic Object Exchange Profile (GOEP) Dial-up Networking Profile (DUN) Human Interface Device Profile (HID) Object Push Profile (OPP) ActiveSync over Bluetooth Audio/Video Remote Control Profile (AVRCP) Bluetooth Phone Book Access Profile (PBAP)

Standard Features

Global Positioning System Operation XTRA, A-GPS, SUPL, standalone
(GPS) Specifications⁶

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⁵ Sold separately or as an-add on feature.

⁶ Purchase of additional maps and/or GPS navigation software may be required to enable some features or allow navigation in certain areas. Availability of maps is limited. Map coverage may vary and is not guaranteed.

Options

NOTE: Optional accessories are available as separate purchase.

Power	HP iPAQ Voice Messenger Extended Battery (2,020 mAh)	FB156AA#AC3
	HP iPAQ Voice Messenger Standard Battery (1,260 mAh)	FB154AA#AC3
	HP iPAQ Sync/Charge Cable Micro-USB	FB166AA#AC3

PC Synchronization	HP iPAQ Sync/Charge Cable Micro-USB	FB166AA#AC3
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Audio	HP iPAQ Wired Stereo Headset-2.5mm	FB162AA#AC3
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Cases	HP iPAQ Voice Messenger Case	FB157AA#AC3
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In-car accessories	HP iPAQ Voice Messenger Comfort Cradle	FB174AA#AC3
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For more information on the HP iPAQ Voice Messenger, visit: <http://www.hp.com>.

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