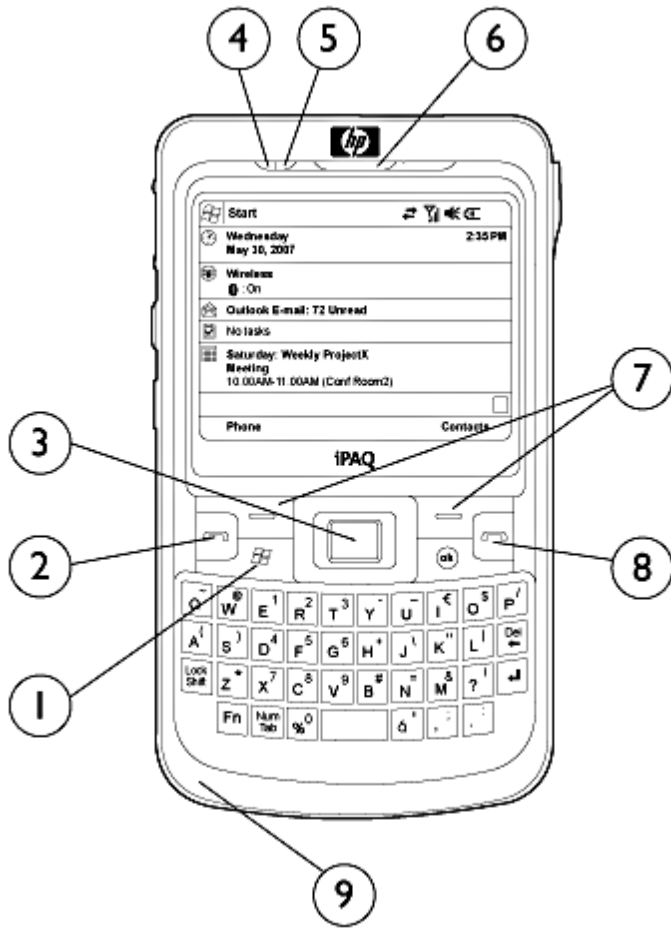
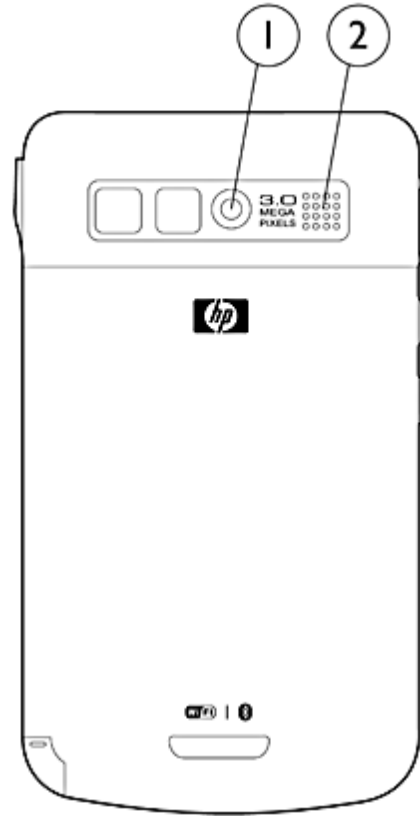


Overview



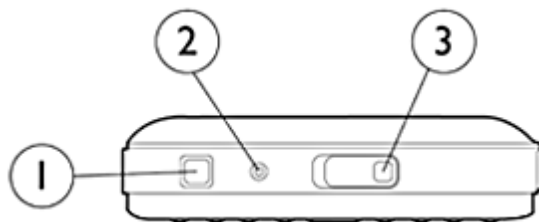
Front



Back

1. Windows key
2. Answer/Send button
3. 5-way Navigation button
4. Bluetooth/Wi-Fi LED
5. Charging/Notification LED
6. Speaker
7. Programmable "soft" keys
8. End call button
9. Microphone

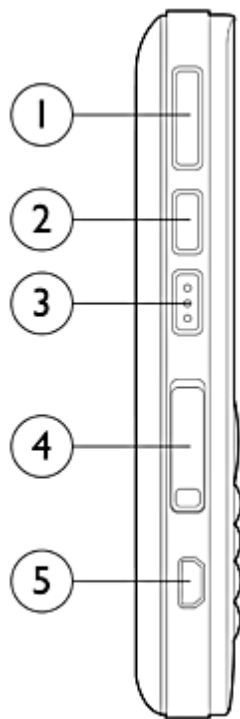
1. 3MP camera
2. Speaker



Top

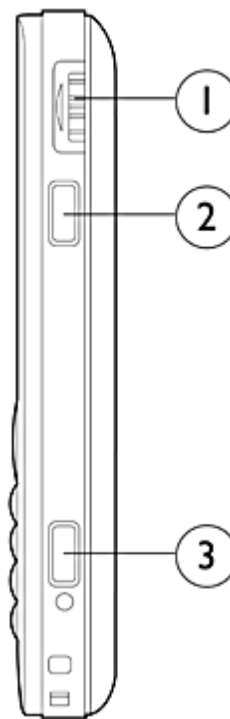
Overview

1. Power
2. Reset
3. Mute



Left

1. Volume Up/Down
2. Voice Command
3. Email
4. Micro-SD slot
5. Mini-USB/Charger



Right

1. Scroll wheel
2. OK
3. Camera (select models)

At A Glance

Overview

- 3G wireless broadband connectivity for voice and data
 - Tri-band HSDPA 3.6/7.2 Mbps (850/1900/2100 MHz)¹
 - Quad-band GSM/GPRS/EDGE (850/900/1800/1900 MHz)^{1,2,3,4}
- Wireless LAN: IEEE 802.11 b/g with WPA2 security⁵
- Bluetooth 2.0 with EDR1
- Assisted GPS (A-GPS) navigation
- Windows Mobile® 6 Professional
- Alphanumeric keyboard, scroll wheel, 5-way navigation, 2 soft keys
- 2.46-inch 320x240 TFT color touch panel display
- 3 Megapixel autofocus camera (select models)
- 1940 mAh battery
- 128MB SDRAM / 256MB Flash ROM
- Micro-SD card slot
- Mini-USB connector for charge/sync
- Voice Commander and Voice Reply
- HP Enterprise Mobility Agent

NOTES:

¹ A standard GSM/GPRS/EDGE/UMTS/HSDPA infrastructure, Wi-Fi, other Bluetooth-enabled devices, separately purchased equipment, and a service contract with a wireless airtime 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. Wireless transmission speeds may vary based upon network capabilities and other conditions. Establishment and continuation of a wireless connection depends on network availability, provider support and signal strength.

² EDGE (Enhanced Data for Global Evolution) is a global standard for wireless wide-area data communication being rapidly deployed by GSM carriers worldwide. Actual download speeds may vary. Coverage is subject to transmission limitations and terrain, system, capacity and other limitations. Not all features and service options are available in all areas.

³ 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 your service provider.

⁴ Normal GSM Data Calls (CSD) are not basic GSM data services. These services may not be available via all operators, and may require separate subscription. Maximum connection speed is used in defining maximum speed. The GSM Operator may change the speed of connection and reduce time slots at its discretion if the network is congested. These actions may cause lower total data rate than the requested data rate.

⁵ Wireless access point required and is not included. Availability of public wireless access points is limited. Wireless Internet use may require separately purchased Internet service contract.

Standard Features

Models

HP iPAQ 910 Business Messenger – without camera

FB047AA#ABA

United States

HP iPAQ 910c Business Messenger – with camera

FB050AA#ABA

United States

FB068AA#ABA

United States - commercial

FB070AA#ABA

United States - AT&T

Processor

Marvell PXA270 processor, 520MHz

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

Memory

128MB SDRAM main memory for running applications

256MB flash ROM

Display

Type

Transmissive active matrix TFT LCD with LED backlight

Number of Colors

65,000, 16-bit

Touch Screen

Yes

Resolution (W x H)

320 x240 pixels (QVGA)

Dot pitch

52 x 156 um

Viewable Image Size

2.46-inch diagonal

Camera (select models)

Resolution

3 Megapixels CMOS sensor, auto focus, 4X digital zoom function

Image quality

88x72, QCIF (176x144), CIF (352x288), 160x120, QVGA (320x240), 400x300, VGA (640x480), SVGA (800x600), XGA (1024x768), 1280x960, SXGA (1280x1024), UXGA (1600x1200), QXGA (2048x1536)

File format

.jpg

Video size

QCIF (176 x 144), 160 x 120

Hardware Buttons

Power key, reset button, menu key, volume up/down, recording key, jog dial, alphanumeric keyboard, 5-way navigation key, 2 programmable soft keys

Standard Features

Audio	Input	Voice recording Built-in mono-speaker Microphone on bottom of unit Microphone input jack (combined with headphone jack)
	Output	Speaker designed for voice playback Built-in speakerphone on the back of the device Speaker on front of unit for handset earpiece audio 2.5 mm headphone/microphone jack with stereo sound
	Audio codec support	WMA, MP3, Simple MIDI, E/D AMRNB, AMRWB, AAC-LC, HE-AAC, decode MIDI, polyphonic ringtone
Interface(s)	USB sync/data/charge	
Removable storage	MicroSD card slot	
Power	Battery	Removable/rechargeable 1940 mAh battery
	Battery performance	Talk time: up to 3.1 hours over UMTS; up to 4 hours over GSM Standby time: up to 10.4 days (250 hours) NOTE: All talk and standby times are approximate and depend on the network configuration, 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. 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	AC Input: 100~240 Vac, 50/60 Hz AC Input current: 115 Vac 0.2 Aac max; 230 Vac 0.08 Aac max Output Voltage: 5Vdc (typical), Output Current: 2A (typical)
	AC adapter dimensions (HxWxD)	3 x 1.9 x 1.8 in (76 x 48 x 44 mm – including prongs) (May vary by model)
	Power cord length (approx.)	6 ft (1.83 m)

Standard Features

System Unit	Dimensions (H x W x D)	4.45 x 2.52 x 0.63 in (113 x 64 x 16 mm)
	Weight	5.15 oz (146 g)
	Operating temperature	14° to 131° F (-10 to 55° C)
	Storage temperature	-4° to 140° F (-20 to 60° C)
	Operating humidity	Up to 90% RH
	Regulatory marks	Electrical
	Safety	GCF 3.26, PTCRB 3.11.1, RoHS or WEE compliance, European SAR

In the box	HP iPAQ 910 Business Messenger ,standard battery, USB synchronization/charge cable, AC adapter, wired stereo headset with 2.5mm jack, HP iPAQ Companion CD, documentation
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Operating System	Windows Mobile 6 Professional
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Applications/Links	Microsoft Office® Outlook® Mobile Microsoft Office Mobile Internet Explorer Mobile Windows Media Player Microsoft ActiveSync Calendar, Contacts, Tasks, Voice Recorder, Notes, Word Mobile, Excel Mobile, PowerPoint Mobile, Internet Explorer Mobile, Windows Media Player 10 Mobile, Phone Dialer Voice Notes Calculator, Solitaire, Bubble Breaker, Microsoft Live Messenger Microsoft Live Search	HP value-add applications: HP Photosmart Mobile iPAQ Wireless Manager Bluetooth Manager HP Help and Support HP QuickStart Tour HP Voice Reply Voice Commander HP Enterprise Mobility Agent
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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.

Service and Support	Warranty: One year parts and labor in most regions; 90 days technical support for software in most regions.
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HP Business Support Center

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

NOTE: Additional offers may vary by region.

Standard Features

Wireless Wide-Area Network (WWAN) Specifications ^{1,2,3,4}	Technology	HSDPA – High-Speed Downlink Packet Access EDGE – Enhanced Data for Global Evolution GSM – Global System for Mobile Communications GPRS – General Packet Radio Services
	Operation	Tri-band HSDPA 3.6/7.2 Mbps (850/1900/2100 MHz) Quad-band GSM/GPRS/EDGE: 850/900/1800/1900 MHz
	Power class	Class 4 (2W @ 850MHz) Class 4 (2W @ 900 MHz) Class 1 (1W @ 1800/1900 MHz) GSM 850 8-PSK Class E2 GSM 1900 8-PSK Class E2 GSM 900 8-PSK Class E2 GSM 1800 8-PSK Class E2
	GSM technology features	Half Rate, Full Rate, Enhanced Full Rate and Adaptive Multi-Rate (HR,FR/EFR/AMR) Echo cancellation and noise reduction Full duplex hands free
	EDGE technology features	EGPRS Class E2 Multi slot Class 12 PBCCH Support for E-GPRS coding schemes MCS1 to MCS9 in both the uplink and downlink
	GPRS technology features	Coding Schemes: CS1 to CS4 Network Mode 1-2, partial support for mode 3 (limited support for NMO3)
	Circuit switched data ⁴	Normal Single Slot GSM Circuit Switched Data @ 9.6 Kbps Transparent and Non-Transparent Data
	Supplementary services supported	Call forwarding Call barring Multiparty Calling Line Identity Call Waiting Call Holding
	Unstructured supplementary service data	USSD Phase 2 (MO & MT)
	Encryption	GEA1
	Authentication	Password Authentication Protocol (PAP) or Challenge Authentication Protocol (CHAP)
	Messaging services	SMS (Short Message Service) for GSM, both mobile-originated and mobile-terminated SMS MMS (Multimedia Message Service) Cell Broadcast
	SIM	1.8 / 3.0V SIM operation Security: Pin 1 & 2 Control SIM standards, Phase 1, 2, 2+, CPHS SIM Toolkit Release 96+
	Ring Tones file formats	Simple MIDI, WMA, WAV, MP3, polyphonic MIDI
	Regulatory	Compliant with ETSI GSM Phase 2+ standard

Standard Features

Wireless LAN Specifications ^{1,5}	IEEE Standard(s)	802.11 b/g compliant	
	Frequency band	2.412 to 2.472 GHz	
	Antenna type	PIFA antenna (internal)	
	Authentication	802.1x	
		EAP-LEAP	
		EAP-TLS	
		EAP-PEAP	
		No EAP-FAST	
		No EAP-SIM	
	Encryption	WEP – 64 & 128	
		WPA (TKIP)	
		No WPA2 (AES)	
	Modulation technique	OFDM (54,48,36,24,18,12,9,6 Mbps)/CCK/DSSS(1,2,5.5,11 Mbps)	
	Modulation schemes	OFDM/DSSS/CCK	
	Receiver sensitivity - packet error rate	11 Mbps: <-91 dBm, PER < 8 %, typical	
Transmit output power	6 Mbps: <- 89 dBm, PER < 10 %, typical		
	54 Mbps: <- 70 dBm, PER < 10 %, typical		
	1 Mbps: <-95 dBm, PER < 8 %, typical		
	15 dBm (typical 802.11 b)		
	15 dBm (typical 802.11 g)		
Power consumption	Transmit mode: 941 m Watts, typical		
	Receive mode: 479 m Watts, typical		
Media access protocol	CSMA/CA		
Internet protocols supported	TCP/IP		
Operating distance	Up to 360 feet (outdoor/open sight)		
Certification	Wi-Fi logo certification including WPA/TLS		

Bluetooth® Specifications ¹	Technology	High-speed, low-power, short-range wireless communication with other Bluetooth devices	
	Specification	Bluetooth 2.0/EDR support	
	System interface	High-speed UART processor interface	
	User interface	Bluetooth Manager	
	Device type	Class II device; up to 4 dBm transmit, typical 10 meter range	
	Power	3.3V 5% Peak current	- typical TX current at approximately 50 mA

Standard Features

Profile support	General Access Profile (GAP) Generic Object Exchange Profile (GOEX) Service Discovery Application Profile (SDAP) Serial Port Profile (SPP) Dial-Up Networking Server Profile (DUN) Handsfree Profile (HFP) Headset Profile (HSP) Human Interface Device (HID) Object Push Profile (OPP) Personal Area Networking Profile (PAN) Advanced Audio Distribution Profile (A2DP) Audio/Visual Remote Control Profile (AVRCP) Generic Audio Visual Distro (GAVDP) File Transfer Profile (FTP – Server only) Basic Imaging Profile (BIP) SIM Access Profile (SAP – server only) Bluetooth Printing Profile (BPP)
Regulatory standards	Bluetooth logo (FCC (47 CFR) Part 15C, Section 15.247&15.249 ETS 300 328, ETS 301 489-1/17 Low Voltage Directive IEC950 UL and CE Mark)

Global Positioning System Operation (GPS) Specifications

	Assisted GPS operation High sensitivity GPS signal detection On-chip Dopplar measurement and navigation data decoding Host interface: USB Supported voltages: 2.85V JTAG test capability
APIs included	GPS Power Management API Microsoft GPS port sharing API per Magneto spec

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Options

NOTE: Optional accessories are available as separate purchase.

Memory/Storage	HP iPAQ 256MB Micro SD Memory	FA874AA#AC3
	HP iPAQ 512MB Micro SD Memory	FA875AA#AC3
	HP iPAQ 1GB Micro SD Memory	FA876AA#AC3
	HP iPAQ 2GB Micro SD Memory	FA877AA#AC3
Power	Automobile Charger, miniUSB	FA765AA#AC3
	HP iPAQ 900 Standard battery (1940 mAh)	FA923AA#AC3
	HP iPAQ 900 Extended Battery	FA924AA#AC3
	HP iPAQ 600/900 Mini-USB Sync/Charge Cable	FA917AA#AC3
	HP iPAQ Travel Kit – Mini-USB	FA804AA#AC3
	HP iPAQ AC Adapter – Mini-USB	FA762AA#AC3
PC Synchronization	HP iPAQ 600/900 Mini-USB Sync/Charge Cable	FA917AA#AC3
Audio	HP iPAQ Stereo Wired Mini-USB Headset	FB061AA#AC3
	HP iPAQ Bluetooth (Mono) Headset	FB029AA#AC3
Input devices	HP iPAQ 900 Stylus Kit	FA932AA#AC3
	Bluetooth Folding Keyboard (HID)	FA802AA#AC3
Cases	HP iPAQ 900 Belt Case	FA925AA#AC3
	HP iPAQ 900 Skin-Fit Case	FA927AA#AC3
Other Accessories	HP iPAQ 900 Screen Protector	FB060AA#AC3
	HP iPAQ Universal Car Cradle	FA920AA#AC3
	HP iPAQ External GPS Antenna	FB058AA#AC3

For more information on the HP iPAQ 900 Series Business Messenger, visit <http://www.hp.com>.

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