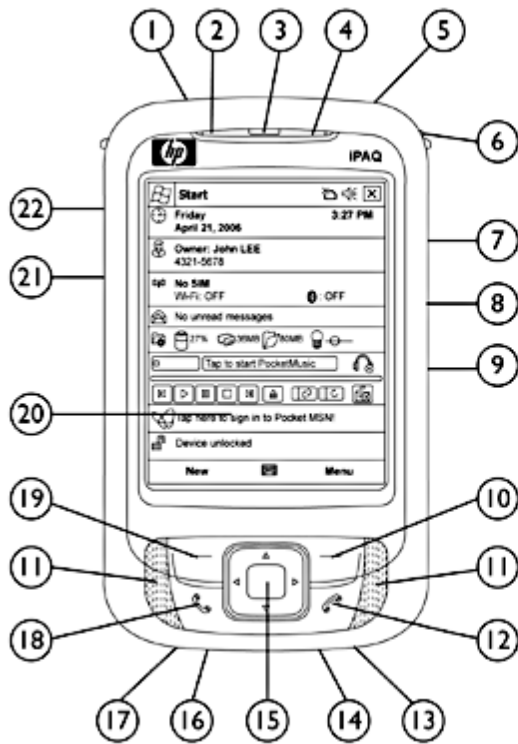
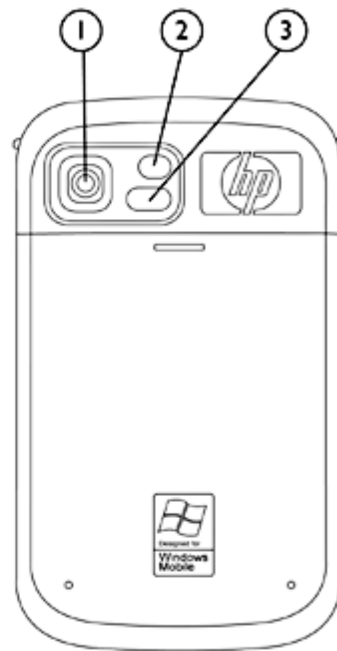


### Overview



Front Image

- 1. Mini-SD slot
- 2. Bluetooth / Wi-Fi LED
- 3. Receiver speaker
- 4. Power button
- 5. Power / notification LED
- 6. Stylus
- 7. IrDA window
- 8. Record button
- 9. Camera button
- 10. Right soft key
- 11. Dual Stereo Speakers
- 12. End call button  
Device lock (press & hold)
- 13. Microphone
- 14. 2.5mm Stereo headphone/mic jack
- 15. 5-way navigation pad
- 16. Mini-USB charge, sync connector
- 17. Reset button hole
- 18. Phone Answer/Send button  
Today Start menu (press & hold)
- 19. Left soft key
- 20. Color display
- 21. Volume down  
Voice Commander (press & hold)
- 22. Volume up



Back Image

- 1. 2 MP CMOS camera
- 2. Self portrait mirror
- 3. LED light (for photography)

### Overview

### At A Glance

- Integrated Wireless Radio Antennas
- Integrated Tri- band GSM/GPRS/EDGE wireless radio with automatic band transition<sup>1,2,3,4</sup>
- Integrated Wi-Fi (IEEE802.11b) on selected models only
- Integrated Bluetooth® v1.2 wireless technology
- Intel® PXA272 Processor 416 MHz
- Integrated HP Photosmart 2 MP Camera
- FM Tuner
- Dual Stereo Speakers
- Integrated mini-SD slot(storage memory expansion only)
- Integrated mini-USB slot
- Integrated SIR IrDA
- Removable/rechargeable 1,530 mAh Li-Pol battery
- 2.7" transmissive QVGA (240x320 pixels) TFT LCD with 18-bit (262,144) color, LED backlight and power save mode.
- Microsoft Windows Mobile® 5.0 for Pocket PC, Phone Edition with Messaging and Security Feature Pack
- Mobile versions of Microsoft Office software include (Word®, Excel®, PowerPoint® and Internet Explorer®)
- Microsoft® Outlook™ 2002 for Pocket PC

#### NOTES:

<sup>1</sup> A standard GSM/GPRS infrastructure, other Bluetooth-enabled devices, separately purchased equipment, and a service contract with a wireless airtime provider may be required for applicable wireless communication. GSM/GPRS 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. GPRS may not be available in all networks. GPRS data transmission speeds may vary based upon network capabilities and other conditions. Establishment and continuation of a GPRS connection depends on network availability, provider support and signal strength.

<sup>2</sup> 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.

<sup>3</sup> 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.

<sup>4</sup> 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.

### Standard Features

#### Models

##### HP iPAQ rw6818 Multimedia Messenger – GSM/GPRS/EDGE, Bluetooth, Camera

FA760AA#UUF – AP English

FA760AA#ABG – Generic Aust/NZ English

FA760AA#ARE – Malaysia English

FA760AA#AB0 – T-Chinese (Taiwan, Hong Kong)

FA760AA#AB2 – S-Chinese (China)

##### HP iPAQ rw6828 Multimedia Messenger – GSM/GPRS/EDGE, Wi-Fi, Bluetooth, Camera

FA761AA#UUF – AP English

FA761AA#ABG – Generic Aust/NZ English

FA761AA#ARE – Malaysia English

FA761AA#AB0 – T-Chinese (Taiwan, Hong Kong)

---

<b>Processor</b>	Intel® PXA272 Processor 416 MHz
	<b>NOTE:</b> Intel's processor numbering is not a measurement of higher performance.

---

<b>Memory</b>	<b>Total Memory Size</b>	128 MB flash ROM for persistent storage 64 MB SDRAM main memory for running applications
---------------	--------------------------	---

---

<b>Display</b>	<b>Type</b>	Transmissive QVGA color TFT LCD with LED backlight & power save mode
	<b>Number of Colors</b>	18-bit (262,144) colors <b>NOTE:</b> OS supports up to 16-bit (65,536) colors only
	<b>Touch Screen</b>	Yes
	<b>Resolution (W x H)</b>	240 x 320 pixels
	<b>Dot Pitch</b>	0.057(H) x 0.171(V) mm
	<b>Viewable Image Size</b>	2.7 in (68 mm) diagonal

---

<b>System Unit</b>	<b>Dimensions (H x W x D)</b>	4.02 x 2.28 x 0.77 in (102 x 58 x 19.5 mm) <b>NOTE:</b> Not including an LCD-protective flip cover
	<b>Weight</b>	4.94 oz (140 g)
	<b>Operating Temperature</b>	32° to 104° F (0° to 40° C)
	<b>Storage Temperature</b>	-4° to 140° F (-20° to 60° C)
	<b>Operating Humidity</b>	90% RH
	<b>Regulatory Marks</b>	Environmental: Wee logo All required regulatory marks for the intended markets

---

### Standard Features

<b>HP Photosmart Camera</b>	<b>Resolution</b> <b>Image Quality</b> <b>File Format Supported</b>	UXVGA/SXGA/CIF, 2 Mega pixels CMOS with LED light 1,600 x 1,200 pixels Still image formats – JPEG: <ul style="list-style-type: none"><li>• SXGA – 800 x 600</li><li>• VGA – 640 x 480</li><li>• QVGA – 320 x 240</li><li>• QQVGA – 160 x 120</li></ul> Video formats – 3GP (H.263) <ul style="list-style-type: none"><li>• CIF – 352 x 288</li><li>• QCIF – 176 x 144</li><li>• SQCIF – 128 x 96</li></ul> High Quality F/2.8 Lens, with focus set to 1.8M LED light Self-portrait mirror
<b>Hardware Buttons/ Reset Buttons</b>		1 power button, 1 reset button, 2 soft key buttons, 1 voice record button, 1 camera/video button (dual function), 1 up and 1 down volume control button, 1 phone answer/send button with green phone icon, 1 end call button with red phone icon, 1 4-way navigation button and 1 select button
<b>Stylus</b>		1 included in the system box
<b>Audio</b>	<b>Input</b>  <b>Output</b>	Voice recording and voice commander using built-in speakerphone, microphone on the bottom of unit, or microphone input jack (combined with headphone jack)  Dual stereo Speakers on the front of unit, 2.5mm handset earpiece audio/microphone jack with stereo sound 3D widening/bass boost/treble adjustment LifeVibes™ Concert Sound EX  The audio driver supports 8.0, 11.025, 16, 22.05 and 44.1 KHz playback sample rates. Audio codecs: WMA, MP3, Simple MIDI, AMR-NB, polyphonic MIDI
<b>Indicators</b>	<b>LED 1 – Charge and Notify</b>  <b>LED 2 – Bluetooth</b>  <b>Phone Notification</b>	Flashing Green LED – within GSM coverage area Flashing Amber LED – event notification / alarm Solid Amber LED – battery charging (Charger connected) Solid Green LED – battery fully charged (Charger connected) Flashing Blue LED – Bluetooth ON Flashing Blue LED – WLAN ON Vibrate Audible Visual message on the display
<b>External Interfaces</b>	<b>Connector</b>	1 mini-USB connector for synchronization and charging

### Standard Features

Other Interfaces	IrDA (SIR) <b>NOTE:</b> Some HP authorized options may not be supported. See <a href="http://www.hp.com/go/ipaqaccessories">http://www.hp.com/go/ipaqaccessories</a> .										
Mini SD Slot	Supports 4-bit mini-SD memory standard										
Power	<b>Battery</b> Removable and rechargeable 1,530 mAh Lithium-Polymer battery Additional batteries available for purchase ( <a href="http://www.hp.com/go/ipaqaccessories">http://www.hp.com/go/ipaqaccessories</a> ). <b>Battery Performance</b> Continuous talking time: approximately 5.5 hours Continuous standby time: approximately 280 hours <b>NOTE:</b> Talking, standby, and usage times are approximate and depend on the network configurations, usage patterns of an individual user and handheld device configurations. Use of internal wireless capabilities, GPS and backlight will significantly decrease battery run time.										
AC Adapter	<b>Dimensions (H x W x D)</b> 2.96 x 1.81 x 1.24 in (75.32 x 45.96 x 31.67 mm – including prongs), (may vary by model) <b>Cord Length (approx.)</b> 3.94 ft (1.2 m) USB cable length only <b>Power Supply Ratings</b> <table><tr><td>Voltage Range</td><td>100 to 240 Vac</td></tr><tr><td>Input Current</td><td>0.15A (RMS) 120VAC at Max. load. 0.08A (RMS) 230VAC at Max. load.</td></tr><tr><td>Input Frequency</td><td>50 to 60 Hz</td></tr><tr><td>Output Voltage</td><td>5.0 VDC (typical)</td></tr><tr><td>Output Current</td><td>1.0 Amp (typical)</td></tr></table>	Voltage Range	100 to 240 Vac	Input Current	0.15A (RMS) 120VAC at Max. load. 0.08A (RMS) 230VAC at Max. load.	Input Frequency	50 to 60 Hz	Output Voltage	5.0 VDC (typical)	Output Current	1.0 Amp (typical)
Voltage Range	100 to 240 Vac										
Input Current	0.15A (RMS) 120VAC at Max. load. 0.08A (RMS) 230VAC at Max. load.										
Input Frequency	50 to 60 Hz										
Output Voltage	5.0 VDC (typical)										
Output Current	1.0 Amp (typical)										
Operating System	Microsoft Windows Mobile® 5.0 software for Pocket PC, Phone Edition with Messaging and Security Feature Pack Mobile versions of Microsoft Office software include (Word®, Excel®, PowerPoint® and Internet Explorer) Microsoft® Outlook™ 2002 for Pocket PC										
Operating System Applications for Phone Edition	Powered by Microsoft Windows Mobile® 5.0 – Phone Edition: Calendar, Contacts, Tasks, Voice Recorder, Notes, Word Mobile, Excel Mobile, PowerPoint Mobile, Internet Explorer Mobile, Windows Media Player 10 Mobile, Calculator, Solitaire, Bubble Breaker, Wireless Manager, Device Lock, Messaging, Pocket MSN, File Explorer, Terminal Services Client, SIM Contacts, Settings										
In the box	HP iPAQ rw6818 (rw6828 for WLAN SKUs) Multimedia Messenger, 1,530mAh Lithium-Polymer removable and rechargeable battery, free-voltage AC adapter, wired stereo headphones, 2 LCD-protective flip covers (grey and green for rw6818 SKUs, and grey and blue for rw6828 SKUs), mini-USB synchronization cable, stylus, leather holster, product information guide, warranty card, HP & Microsoft EULA card, Getting Started CD										

### Standard Features

**Additional Software and Links** Microsoft Outlook 2002, Microsoft ActiveSync 4.1 (Desktop device synchronization) and links to Microsoft websites for additional downloadable applications  
**NOTE:** Some programs may require purchase of additional desktop software to utilize Pocket PC versions.

**Service and Support** One-year Limited Warranty on parts and labor with Carry-In service; 90 days technical support for software in Asia-Pacific regions. Additional offers may vary by country.

**HP Exclusive Applications**

- HP Photosmart Camera – capture digital photos and video with the built-in 2 MP camera.
- HP Photosmart Mobile – view, organize and share photos, videos.
- Today Panel Lite – one touch access from Today Screen to device status: battery, memory, and backlight settings.
- HP Help and Support – one location for help, warranty, and support information.
- Modem Link – use the HP iPAQ as a modem to wirelessly connect a notebook PC to the Internet.
- PocketMind PocketMusic – MP3, OGG, WMA, WAV music player
- FM Radio – FM radio tuner
- Esmertec Java Virtual Machine (VM) – run Java applications on the Pocket PC
- Auto Configurator – GSM network detection and settings
- Download Agent – downloaded content management
- TestSuite – system self-testing tool
- Cyberon Voice Commander – voice recognition and application launch software
- Wi-Fi Utility – Wi-Fi status and settings information tool
- Arcsoft MMS Composer – multimedia messaging service client
- Philips Lifevibes™ Concert Sound EX – 3D widening, bass boost, treble enhancement

### Getting Started CD applications from HP

	<b>Full Versions</b>
<b>Applications</b>	Microsoft Outlook 2002 for PC ActiveSync 4.1 for PC HP Photosmart Premier for PC HP Image Transfer for PC and Pocket PC Real Player 10.5 for PC Windows Media Player 10 Desktop for PC Adobe Reader for PC application for PC PocketMind CD to Mobile for PC PDAMill GameBox Classic for Pocket PC PDAMill GameBox Gems for Pocket PC DIOTEK PowerDic Electronic Dic. for Pocket PC (for selected models only)
<b>CD Links</b>	HP Web Registration HP Handheld Software Store HP Mobility Solution Evaluation Center HP iPAQ Accessories HP iPAQ Products HP Help and Support HP Worldwide Support Telephone Numbers Microsoft Web Site for Windows Mobile-based Pocket PC
	<b>Additional Documentation</b> HP iPAQ Additional Product Information HP Important Safety Information "How Do I" Help Information The Modem Link Software and Driver

### Standard Features

**NOTE:** Programs may vary based on model. Some programs are accessed through CD links to download web sites.

<b>Regulatory Compliance</b>	<b>Certifications</b>	CCC, RTA, NAL, NZ DoC, NTC, IDA, DGT, SIRIM, PTA, GOST, SASO, SABS, PTB, JTB, WPC, DGPT, CIT, MoC, ICASA, Etisalat, etc. GCF 3.16 PTCRB 3.2.1 RoHS or WEE compliance
	<b>Bluetooth</b>	Bluetooth logo (FCC (47 CFR) Part 15C, Section 15.247&15.249 to EN 300 328, EN 301 489-1/17 Low Voltage Directive IEC 60950 UL and CE Mark)
	<b>Regulatory</b>	Compliant with ETSI GSM Phase 2+ standard
	<b>Wi-Fi Certification</b>	Wi-Fi logo certification including WPA/TLS
	<b>USB Compliance</b>	USB 1.1 client (2.0 full speed)
<b>GSM/GPRS/EDGE Specifications<sup>1,2,3,4</sup></b>	<b>GPRS/GSM/EDGE Quad band</b>	ENS, NACC, and Extended uplink TBF support Global voice and data wireless network Simultaneous operation with Wi-Fi & Bluetooth
	<b>Technology</b>	<b>EDGE</b> (Enhanced Data for Global Evolution) Global voice and data wireless network <b>GSM</b> (Global System for Mobile Communications) <b>GPRS</b> (General Packet Radio Services)
	<b>Operation</b>	Tri-band GSM/GPRS / EDGE (GSM 900/1,800/1,900 MHz)
	<b>Power class</b>	Class 4 (2W @ 900 MHz) Class 1 (1W @ 1800/1900 MHz) GSM 1900 8-PSK Class E2 GSM 900 8-PSK Class E2 GSM 1800 8-PSK Class
	<b>EDGE features</b>	EGPRS Class B Multi slot Class 10 PBCCCH Support for E-GPRS coding schemes MCS1 to MCS9 in both the uplink and downlink
	<b>GPRS data features</b>	Coding Schemes: CS1 to CS4 Network Mode 1-4
	<b>GSM voice features</b>	Half Rate, Full Rate, Enhanced Full Rate and Adaptive Multi-Rate (HR,FR/EFR/AMR) Echo cancellation and noise reduction Full duplex hands free
	<b>Circuit switched data<sup>5</sup></b>	Normal Single Slot GSM Circuit Switched Data @ 9.6 Kbps Transparent and Non-Transparent Data
	<b>Supplementary services supported</b>	Call forwarding, Call barring, Multiparty, Calling Line Identity Call Waiting and Call Holding
	<b>Unstructured supplementary service data</b>	USSD Phase 2 (MO & MT)
	<b>Encryption</b>	GEA1

### Standard Features

<b>Authentication</b>	Password Authentication Protocol (PAP) or Challenge Authentication Protocol (CHAP)
<b>Messaging services</b>	SMS (Short Message Service) for GSM, both mobile-originated and mobile-terminated SMS MMS (Multimedia Message Service) Cell Broadcast
<b>SIM</b>	3V SIM operation Security: Pin 1 & 2 Control SIM standards, Phase 1, 2, 2+, CPHS SIM Toolkit Release 96+
<b>Ring Tones file formats</b>	Simple MIDI Type 0, WMA, WAV, MP3, polyphonic MIDI

### Bluetooth® Specifications<sup>1</sup>

<b>Technology</b>	High-speed, low-power, short-range wireless communication with other Bluetooth devices ALPS solution UART/PCM interface, 4dBm Max. transmit Class 2 support Compliance with Bluetooth Specification Version 1.2 <ul style="list-style-type: none"><li>• Adaptive Frequency Hopping including master and slave classification</li><li>• Faster connection</li><li>• Extended SCO-all new packet types</li><li>• Synchronization</li><li>• LMP improvements</li><li>• Quality OF Service improvements</li></ul> Bluetooth transmit inactive (FAA requirement)
<b>Bluetooth® specifications</b>	High-speed, low-power, short-range wireless communication with other Bluetooth devices. 1.2 compliant (2.4-GHz Industrial Scientific Medical Band)
<b>System interface</b>	High-speed UART processor interface
<b>Device type</b>	Class II device; up to 4 dBm transmit, typical 10 meter range
<b>Power</b>	1.8V supply voltage – typical TX current at approximately 38 mA – typical RX current at approximately 38 mA
<b>Profile Support</b>	General Access Profile Service Discovery Application Profile Serial Port Profile Generic Object Exchange Profile Dial-Up Networking Server Profile Object Push Profile Personal Area Networking Profile Headset Profile Handsfree Profile Advanced Audio Distribution Profile Audio/Visual Remote Control Profile



### Standard Features

#### Usage Models

#### Service Discovery

Determine what Bluetooth devices are within range and support authorization

#### Serial Port

Synchronization between PDAs and PCs using ActiveSync

#### Generic Object Exchange and Object Push

Exchange business cards, tasks, documents, appointments and more <sup>1</sup>

#### NOTE:

<sup>1</sup> A standard GSM/GPRS infrastructure, other Bluetooth-enabled devices, separately purchased equipment, and a service contract with a wireless airtime provider may be required for applicable wireless communication. GSM/GPRS 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. GPRS may not be available in all networks. GPRS data transmission speeds may vary based upon network capabilities and other conditions. Establishment and continuation of a GPRS connection depends on network availability, provider support and signal strength.

### Options

**NOTE:** Optional accessories are available at additional cost.

Memory/Storage	128 MB mini SD Memory Card	FA602A#AC3
	256 MB mini SD Memory Card	FA603A#AC3
	512 MB mini SD Memory Card	FA604A#AC3
Power	1,530 mAh Li-Pol Standard Battery	FA764AA#AC3
	Automobile Adapter	FA765AA#AC3
	AC Adapter	FA762AA#AC3
	Travel Kit	FA804AA#AC3
Synchronization	Mini-USB Sync Cable	FA801AA#AC3
Input Options	HP iPAQ Stylus Kit – rw6800	FA763AA#AC3
	iPAQ Bluetooth Foldable Keyboard	FA287A#AC3
Navigation Options	iPAQ Navigation System, APJ Only	FA256A#UUF
Headphones	BT Stereo Headphones	FA303A#AC3
	BT Stereo Headphones – EU	FA303A#ABB
	BT Stereo Headphones – US	FA303A#ABA
	BT Stereo Headphones – UK	FA303A#ABU
	BT Stereo Headphones – AU	FA303A#ABG
	BT Stereo Headphones – KOR	FA303A#AB1
Other	Pack of 3 LCD-protective flip covers	FA806PA#AC3
	Custom Cases: to view and order go to: <a href="http://www.casesonline.com">http://www.casesonline.com</a> .	

#### NOTES:

<sup>1</sup> A standard GSM/GPRS infrastructure, other Bluetooth-enabled devices, separately purchased equipment, and a service contract with a wireless airtime provider may be required for applicable wireless communication. GSM/GPRS 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. GPRS may not be available in all networks. GPRS data transmission speeds may vary based upon network capabilities and other conditions. Establishment and continuation of a GPRS connection depends on network availability, provider support and signal strength.

<sup>2</sup> 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.

<sup>3</sup> 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.

<sup>4</sup> 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 the 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.

### Options

#### HP iPAQ Mobile Messenger is a Windows Mobile®-based Pocket PC

For more information on the HP iPAQ Mobile Messenger series, visit our website at <http://www.hp.com/go/iPAQ>.



©Copyright 2006 Hewlett-Packard Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein. Microsoft, Windows, and the Windows Logo are U.S. registered trademarks of Microsoft Corporation. Intel and the Intel inside logo are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the U.S. and other countries. Java and all Java-based trademarks and logos are trademarks or registered trademarks of Sun Microsystems, Inc. in the U.S. and other countries.