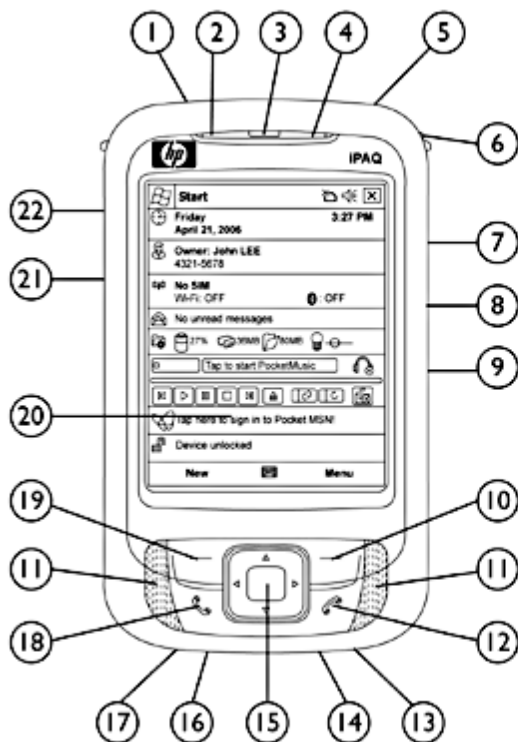
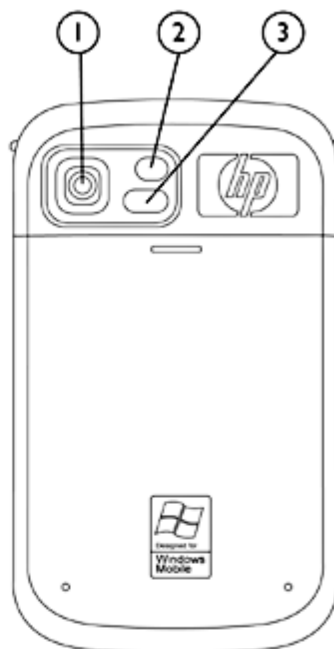


Overview



Front Image



Back Image

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

Overview

At A Glance

- Integrated Wireless Radio Antennas
- Integrated Tri- band GSM/GPRS/EDGE wireless radio with automatic band transition^{1,2,3,4}
- Integrated Wi-Fi (IEEE802.11b) on rw6828 models only
- Integrated Bluetooth® v1.2 wireless technology
- Marvell PXA272 Processor 416 MHz
- 64MB RAM and 128MB flash ROM
- Integrated HP Photosmart 2 MP Camera
- FM radio tuner
- Dual stereo speakers
- Mini-SD slot (storage memory expansion only)
- Mini-USB connector slot
- IrDA port
- 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:

¹ 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.

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.

Standard Features

Models

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

FA760AA#UUF – Generic AP English
 FA760AA#ABG – Australia/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 – Generic AP English
 FA761AA#ABG – Australia/NZ English
 FA761AA#ARE – Malaysia English
 FA761AA#AB0 – T-Chinese (Taiwan, Hong Kong)

Processor	Marvell PXA272 Processor 416 MHz NOTE: Processor numbering is not a measurement of higher performance.												
Memory	Total Memory Size 128 MB flash ROM for persistent storage 64 MB SDRAM main memory for running applications												
Display	<table border="0"> <tr> <td>Type</td> <td>Transmissive QVGA color TFT LCD with LED backlight & power save mode</td> </tr> <tr> <td>Number of Colors</td> <td>18-bit (262,144) colors NOTE: OS supports up to 16-bit (65,536) colors only</td> </tr> <tr> <td>Touch Screen</td> <td>Yes</td> </tr> <tr> <td>Resolution (W x H)</td> <td>240 x 320 pixels</td> </tr> <tr> <td>Dot Pitch</td> <td>0.057(H) x 0.171(V) mm</td> </tr> <tr> <td>Viewable Image Size</td> <td>2.7 in (68 mm) diagonal</td> </tr> </table>	Type	Transmissive QVGA color TFT LCD with LED backlight & power save mode	Number of Colors	18-bit (262,144) colors NOTE: OS supports up to 16-bit (65,536) colors only	Touch Screen	Yes	Resolution (W x H)	240 x 320 pixels	Dot Pitch	0.057(H) x 0.171(V) mm	Viewable Image Size	2.7 in (68 mm) diagonal
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System Unit	<table border="0"> <tr> <td>Dimensions (H x W x D)</td> <td>4.02 x 2.28 x 0.77 in (102 x 58 x 19.5 mm) NOTE: Not including an LCD-protective flip cover</td> </tr> <tr> <td>Weight</td> <td>4.94 oz (140 g)</td> </tr> <tr> <td>Operating Temperature</td> <td>32° to 104° F (0° to 40° C)</td> </tr> <tr> <td>Storage Temperature</td> <td>-4° to 140° F (-20° to 60° C)</td> </tr> <tr> <td>Operating Humidity</td> <td>90% RH</td> </tr> <tr> <td>Regulatory Marks</td> <td>Environmental: Wee logo All required regulatory marks for the intended markets</td> </tr> </table>	Dimensions (H x W x D)	4.02 x 2.28 x 0.77 in (102 x 58 x 19.5 mm) NOTE: Not including an LCD-protective flip cover	Weight	4.94 oz (140 g)	Operating Temperature	32° to 104° F (0° to 40° C)	Storage Temperature	-4° to 140° F (-20° to 60° C)	Operating Humidity	90% RH	Regulatory Marks	Environmental: Wee logo All required regulatory marks for the intended markets
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Operating Humidity	90% RH												
Regulatory Marks	Environmental: Wee logo All required regulatory marks for the intended markets												

Standard Features

HP Photosmart Camera	Resolution	UXVGA/SXGA/CIF, 2 Mega pixels CMOS with LED light
	Image Quality	1,600 x 1,200 pixels
	File Format Supported	Still image formats – JPEG: <ul style="list-style-type: none">• SXGA – 800 x 600• VGA – 640 x 480• QVGA – 320 x 240• QQVGA – 160 x 120 Video formats – 3GP (H.263) <ul style="list-style-type: none">• CIF – 352 x 288• QCIF – 176 x 144• SQCIF – 128 x 96 High Quality F/2.8 Lens, with focus set to 1.8M LED light Self-portrait mirror
Hardware Buttons/ Reset Buttons		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
Stylus		1 included in the system box
Audio	Input	Voice recording and voice commander using built-in speakerphone, microphone on the bottom of unit, or microphone input jack (combined with headphone jack)
	Output	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
Indicators	LED 1 – Charge and Notify	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)
	LED 2 – Bluetooth	Flashing Blue LED – Bluetooth ON Flashing Blue LED – WLAN ON
	Phone Notification	Vibrate Audible Visual message on the display

Standard Features

External Interfaces	Connector	1 mini-USB connector for synchronization and charging										
Other Interfaces	IrDA (SIR) port	NOTE: Some HP authorized options with IrDA may not be supported. See http://www.hp.com/go/ipaqaccessories .										
Mini SD Slot	Supports 4-bit mini-SD memory standard											
Power	Battery	Removable and rechargeable 1,530 mAh Lithium-Polymer battery Additional batteries available for purchase (http://www.hp.com/go/ipaqaccessories).										
	Battery Performance	Continuous talking time: approximately 5.5 hours Continuous standby time: approximately 240 hours NOTE: 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	Dimensions (H x W x D)	2.96 x 1.81 x 1.24 in (75.32 x 45.96 x 31.67 mm – including prongs), (may vary by model)										
	Cord Length (approx.)	3.94 ft (1.2 m) USB cable length only										
	Power Supply Ratings	<table border="0"> <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)
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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											

Standard Features

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

Additional Software and Links 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
- Self Test – system self-testing tool
- Cyberon Voice Commander – voice recognition and application launch software
- Wi-Fi Utility (on rw6828 models only) – Wi-Fi status and settings information tool
- Arcsoft MMS Composer – multimedia messaging service client
- Philips Lifevibes™ Concert Sound EX – 3D widening, bass boost, treble adjustment

Getting Started CD applications from HP

Applications

Full Versions

ActiveSync 4.1 for PC
HP Photosmart Premier for PC
HP Image Transfer for PC and Pocket PC
Real Player 10.5 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 Chinese-English Electronic Dictionary for Pocket PC (for selected models only)

Standard Features

CD Links	<ul style="list-style-type: none"> 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 Windows Media Player 10 Desktop for PC Microsoft Web Site for Windows Mobile-based Pocket PC
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Additional Documentation

HP iPAQ Additional Product Information
HP Important Safety Information
"How Do I" Help Information
The Modem Link Software and Driver

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

Regulatory Compliance Certifications	<ul style="list-style-type: none"> CCC, RTA, NAL, NZ DoC, NTC, IDA, DGT, SIRIM, PTA, GOST, SASO, SABS, PTD, JTB, WPC, DGPT, CIT, MoC, ICASA, Etisalat, etc. GCF 3.16 PTCRB 3.2.1 RoHS or WEE compliance
Bluetooth	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)
Regulatory	Compliant with ETSI GSM Phase 2+ standard
Wi-Fi Certification	Wi-Fi logo certification including WPA/TLS
USB Compliance	USB 1.1 client (2.0 full speed)

GSM/GPRS/EDGE Specifications^{1,2,3,4}	GPRS/GSM/EDGE Quad band	<ul style="list-style-type: none"> ENS, NACC, and Extended uplink TBF support Global voice and data wireless network Simultaneous operation with Wi-Fi & Bluetooth
	Technology	<ul style="list-style-type: none"> EDGE (Enhanced Data for Global Evolution) Global voice and data wireless network GSM (Global System for Mobile Communications) GPRS (General Packet Radio Services)
	Operation	Tri-band GSM/GPRS / EDGE (GSM 900/1,800/1,900 MHz)
	Power class	<ul style="list-style-type: none"> 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
	EDGE features	<ul style="list-style-type: none"> EGPRS Class B Multi slot Class 10 PBCCH Support for E-GPRS coding schemes MCS1 to MCS9 in both the uplink and downlink
	GPRS data features	<ul style="list-style-type: none"> Coding Schemes: CS1 to CS4 Network Mode 1-4

Standard Features

GSM voice 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
Circuit switched data⁵	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 and 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	3V SIM operation Security: Pin 1 & 2 Control SIM standards, Phase 1, 2, 2+, CPHS SIM Toolkit Release 96+
Ring Tones file formats	Simple MIDI Type 0, WMA, WAV, MP3, polyphonic MIDI

Bluetooth® Specifications¹

Technology	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"> • Adaptive Frequency Hopping including master and slave classification • Faster connection • Extended SCO-all new packet types • Synchronization • LMP improvements • Quality OF Service improvements
Bluetooth® specifications	Bluetooth transmit inactive (FAA requirement) High-speed, low-power, short-range wireless communication with other Bluetooth devices. 1.2 compliant (2.4-GHz Industrial Scientific Medical Band)
System interface	High-speed UART processor interface
Device type	Class II device; up to 4 dBm transmit, typical 10 meter range
Power	1.8V supply voltage – typical TX current at approximately 38 mA – typical RX current at approximately 38 mA

Standard Features

Profile Support

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

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 ¹

NOTE:

¹ 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
	1 GB mini SD Memory Card	FA848AA#AC3
Power and Synchronization	1,530 mAh Li-Pol Standard Battery	FA764AA#AC3
	Automobile Adapter	FA765AA#AC3
	AC Adapter	FA762AA#AC3
	Travel Kit	FA804AA#AC3
	Mini-USB Sync Cable	FA801AA#AC3
	HP iPAQ Cradle	FA766AA#AC3
Input Options	HP iPAQ Stylus Kit – rw6800	FA763AA#AC3
	HP iPAQ HID BT Keyboard	FA802AA#AC3
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
	HP iPAQ Essential Kit	FA842PA#UUF
	TTY/TDD Adapter	FA709B#AC3
	Custom Cases: to view and order go to: http://www.casesonline.com .	

Options

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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>.



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