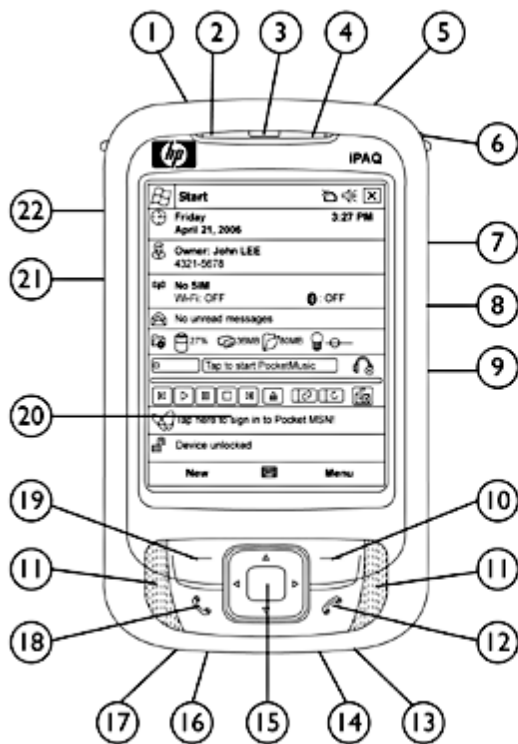
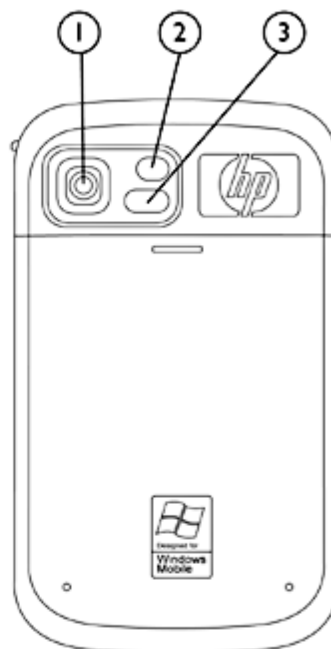


Overview



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. 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 button | 20. Color display | |
| 10. Right soft key | 21. Volume down
Voice Command (press & hold) | |
| 11. Dual Stereo Speakers | 22. Volume up | |

Overview

At A Glance

- Integrated Tri- band GSM/GPRS/EDGE wireless radio with automatic band selection ^{2,3,4}
- Integrated Wi-Fi (IEEE 802.11b)
- Integrated Bluetooth® v1.2 wireless technology
- Integrated 2 MP HP Photosmart Camera
- 2.7" transmissive QVGA display
- Dual Stereo Speakers
- Integrated mini-SD slot (storage memory expansion only)
- Removable/rechargeable 1,530 mAh Li-Poly battery
- Microsoft® Windows Mobile® 5.0, Phone Edition with Messaging and Security Feature Pack

NOTES:

¹ A standard GSM/GPRS/EDGE 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.

GSM/GPRS/EDGE 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/EDGE may not be available in all networks. GPRS/EDGE data transmission speeds may vary based upon network capabilities and other conditions.

Establishment and continuation of a GPRS/EDGE 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 rw6815 Personal Messenger – GSM/GPRS/EDGE, Wi-Fi, Bluetooth, Camera

FA777AA#ABD – German

FA777AA#ABB – Europe, United Kingdom, Ireland

FA777AA#ABE – Spain

FA777AA#ABF – France

FA777AA#ABH – Netherlands

FA777AA#ABN – Norway

FA777AA#ABS – Sweden

FA777AA#ABV – Saudi Arabia, UAE, Egypt, Kuwait, Bahrain, Qatar, Yemen, Oman, Lebanon, Jordan

FA777AA#ABY – Denmark

FA777AA#ABZ – Italy

FA777AA#ACB – Russia

FA777AA#AKD – Poland

FA777AA#AKW – Greece

Processor	Marvell PXA272 Processor 416 MHz
	NOTE: Processor numbering is not a measurement of higher performance.

Memory	Total Memory Size	128 MB available for persistent user storage 64 MB SDRAM main memory for running applications
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Display	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

System Unit	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

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">• UXGA – 1600 x 1200• 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 top of unit, or microphone input jack (combined with headphone jack)
	Output	Dual stereo Speakers on the front of unit 2.5mm headset jack with microphone input and stereo sound
		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
		NOTE: Listening to personal stereo equipment at full volume for long periods can damage hearing. In order to reduce the risk of hearing loss, decrease the amount of time listening to personal stereo equipment at full volume. HP recommends that you use the headphones, part number 382267, that are included with your HP iPAQ.

Standard Features

Indicators	LED 1 – Charge and Notify	Flashing Green LED – within GSM/GPRS/EDGE coverage area Flashing Orange LED – event notification / alarm Solid Orange LED – battery charging (Charger connected) Solid Green LED – battery fully charged (Charger connected)	
	LED 2 - Bluetooth and Wi-Fi	Flashing Blue LED - Bluetooth and/or Wi-Fi ON	
	Phone Notification	Vibrate Audible Visual message on the display	
External Interfaces	Connector	1 mini-USB connector for synchronization and charging	
Other Interfaces	IrDA (SIR) port	NOTE: Some HP authorized options 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/accessories/ipaq).	
	Battery Performance	Continuous talk time: up to 4.5 hours Continuous standby time: up to 192 hours (8 days)	
		NOTE: Talk, 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 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	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 – Phone Edition with Messaging and Security Feature Pack	

Standard Features

Operating System Powered by Microsoft® Windows Mobile® 5.0 – Phone Edition with Messaging and Security.
Applications for Phone Edition Feature Pack: Calendar, Contacts, Tasks, Voice Recorder, Notes, Word Mobile, Excel Mobile, PowerPoint Mobile, Internet Explorer Mobile, Windows Media Player 10 Mobile, Calculator, Games (Solitaire, Bubble Breaker), Wireless Manager, Device Lock, Messaging (Outlook Email, SMS, MMS), Pocket MSN, File Explorer, Terminal Services Client, SIM Contacts

In the box HP iPAQ rw6815 Personal Messenger, 1,530mAh Lithium-Polymer removable and rechargeable battery, free-voltage AC adapter, wired stereo headphones, 1 protective flip cover, mini-USB synchronization cable, stylus, belt holster, product information guide, warranty booklet, HP & Microsoft EULA cards, Getting Started CD

NOTE: Listening to personal stereo equipment at full volume for long periods can damage hearing. In order to reduce the risk of hearing loss, decrease the amount of time listening to personal stereo equipment at full volume. HP recommends that you use the headphones, part number 382267, that are included with your HP iPAQ.

Additional Software and Links Microsoft ActiveSync 4.1 or greater (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. 90 days technical support for software.

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.
- Java Virtual Machine (VM) – run Java applications on the HP iPAQ
- Auto Configurator – GSM network detection and settings
- Download Agent – downloaded content management
- Self Test – system self-testing tool
- Microsoft Voice Command – voice recognition and application control software
- Wi-Fi Utility – Wi-Fi status and settings information tool
- MMS Composer – multimedia messaging service client

Standard Features

Getting Started CD applications from HP

Applications

Full Versions

Microsoft ActiveSync 4.1 or greater for PC Application
HP Photosmart Premier for PC Application
HP Image Transfer for PC and Device Application
Real Player 10.5 for PC Application
Adobe Reader for PC Application

CD Links

HP Web Registration
HP Handheld Software Store (iPAQ Choice)
HP iPAQ Accessories
HP iPAQ Products
HP Help and Support
Windows Media Player 10 for PC Application
Microsoft Web Site for Windows Mobile devices

Additional Documentation

HP iPAQ Additional Product Information
HP Important Safety Information Guide
Modem Link Software and Driver
Equipment disposal and recycling

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

Regulatory Compliance Certifications

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

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)

Standard Features

GSM/GPRS/EDGE Specifications^{1,2,3,4}	GPRS/GSM/EDGE Tri-band	ENS, NACC, and Extended uplink TBF support Global voice and data wireless network Simultaneous operation with Wi-Fi & Bluetooth
	Technology	EDGE (Enhanced Data rates 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	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	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	Coding Schemes: CS1 to CS4 Network Mode 1-4
	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

Standard Features

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

- Adaptive Frequency Hopping including master and slave classification
- Faster connection
- Extended SCO-all new packet types
- Synchronization
- LMP improvements
- Quality OF Service improvements

Bluetooth transmit inactive (FAA requirement)

Bluetooth® specifications

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

Profile Support

General Access Profile

Serial Port Profile

Generic Object Exchange Profile

Dial-Up Networking Server Profile

Object Push Profile

Headset Profile

Handsfree Profile

Advanced Audio Distribution Profile

Audio/Visual Remote Control Profile

Usage Models

Serial Port – Synchronization between PDAs and PCs using ActiveSync

Generic Object Exchange and Object Push – Exchange business cards, tasks, documents, appointments and more ¹

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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 - rw6815	FA763AA#AC3
	iPAQ Bluetooth Foldable Keyboard	FA287A#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
	Custom Cases: to view and order go to: http://www.casesonline.com .	

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Options

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



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