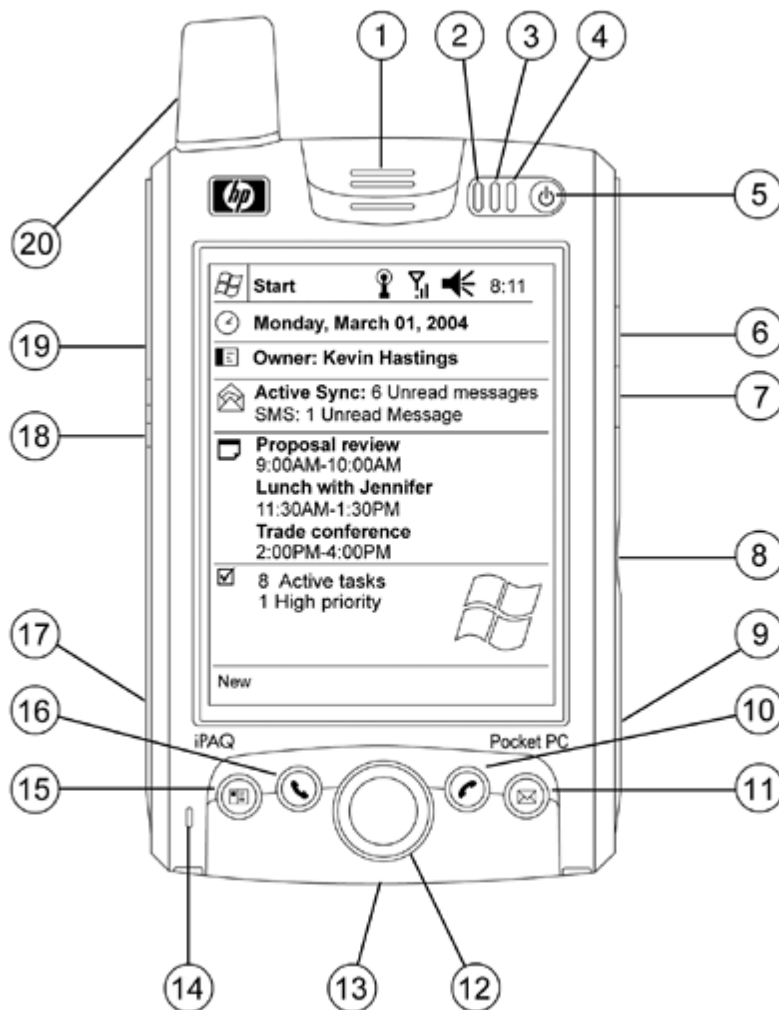
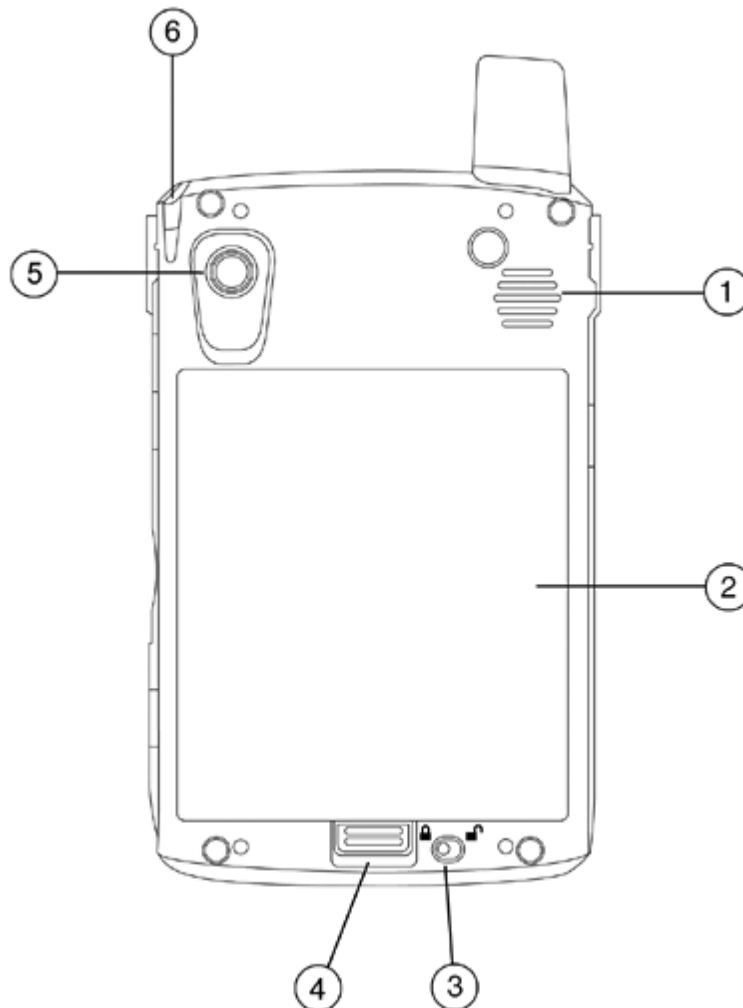


## Overview



- |  |                                  |
|--|----------------------------------|
| 1. Phone Receiver                              | 11. Inbox Button                 |
| 2. GSM/GPRS LED Indicator                      | 12. 5-Way Navigation Button      |
| 3. Bluetooth LED Indicator                     | 13. Charging/Communications Port |
| 4. WLAN LED Indicator                          | 14. Microphone                   |
| 5. Power Button with Charging/Notification LED | 15. Contacts Button              |
| 6. Volume Up Button                            | 16. Phone Send Button            |
| 7. Volume Down Button                          | 17. Soft Reset                   |
| 8. SD Expansion Card Slot                      | 18. Voice Record Button          |
| 9. Camera Button (on select models)            | 19. Headset Connector            |
| 10. Phone End Button                           | 20. Antenna                      |

## Overview



1. Hands-free Speaker
2. Removable Battery
3. Battery Lock
4. Battery Latch
5. Camera Lens (on select models)
6. Stylus

## At A Glance

- Integrated GSM/GPRS<sup>1</sup>
- Integrated WiFi (WLAN 802.11b<sup>1</sup>)
- Integrated Bluetooth®<sup>1</sup> wireless technology
- Integrated Camera (on some models)
- Integrated SD expansion slot
- Dazzling Transflective TFT color with LED backlight display
- Removable/rechargeable battery
- Microsoft® Windows Mobile™ 2003 software for Pocket PC – Phone Edition
- Stay productive with Pocket versions of familiar applications like Microsoft® Outlook®, Word and Excel
- **NOTE:** <sup>1</sup> A standard GSM/GPRS infrastructure, a standard wireless LAN infrastructure, other devices enabled with Bluetooth wireless technology, and a service contract with a wireless network airtime provider may be required for applicable wireless communication. GPRS Wireless Internet access requires a separately purchased service contract. Check with wireless network service providers for availability and coverage in your area. Not all web content available.
- Product appearance may vary by wireless carrier

## Standard Features

### Models

HP iPAQ Pocket PC h6315 – 64-MB SDRAM GSM/GPRS, WLAN, Bluetooth, Camera

FA239A#ABA – US Commercial, English (T-Mobile service provider version)

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<b>Processor</b>	Texas Instruments OMAP™ 1510	
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<b>Memory</b>	<b>SDRAM</b>	64-MB (55-MB user accessible)
	<b>ROM</b>	64-MB Up to 20-MB iPAQ File Store (varies by model)

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<b>Display</b>	<b>Type</b>	Transflective type TFT color with LED backlight
	<b>Number of Colors</b>	64K color (65,536 colors) 16-bit
	<b>Touch Screen</b>	Yes
	<b>Resolution (W x H)</b>	240 x 320 pixels
	<b>Dot Pitch</b>	0.24 mm
	<b>Viewable Image Size</b>	3.5 in (89 mm)

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<b>Camera</b> (on select models)	<b>Resolution</b>	VGA
	<b>Image Quality</b>	640 x 480 pixels
	<b>Minimum Illumination</b>	5 lux
	<b>File Format Supported</b>	JPEG

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<b>Hardware Buttons/ Reset Buttons</b>	One power button, one Voice Record button, one Soft Reset button, Volume up/down buttons, Camera button (on select models), Contacts button, Inbox button, and Send and End buttons (All buttons are programmable except for Send, End and Reset buttons).	
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<b>Stylus</b>	One – Included in the box	
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<b>Audio</b>	Integrated microphone, receiver, speaker and one 3.5 mm stereo headphone jack, MP3 stereo (through audio jack or speaker)	
	Hands-free speaker phone	

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## Standard Features

Indicators	<b>Power Button</b>	Charge and Notify indicators Blinking green – notify Blinking amber – charging Solid amber – full charge
	<b>LED 1 – GSM/GPRS</b>	Blinking green LED – radio ON with signal Blinking amber LED – radio ON without signal
	<b>LED 2 – Bluetooth</b>	Blinking blue LED – radio ON
	<b>LED 3 – Wi-Fi</b>	Blinking green LED – radio ON with signal Blinking amber LED – radio ON without signal
	<b>Phone Notification</b>	Vibrate Audible Visual message on the display
<hr/>		
Cradle Interfaces	<b>Connector</b>	1 – 22 pin
	<b>DC Power jack connector for AC/DC Adapter connection</b>	1 (may vary by model)
	<b>Additional battery charger</b>	Charge additional slim or extended battery
<hr/>		
Other interfaces	<b>IrDa</b>	– Supported
	<b>USB</b>	– Supported via cradle interface
	<b>Serial</b>	– There is no generic RS-232 serial support
	<b>NOTE:</b>	Some HP authorized options may be supported. See <a href="http://www.hpshopping.com/ipaqaccessories">http://www.hpshopping.com/ipaqaccessories</a> .
<hr/>		
SD Slot		Support 1-bit SDIO and SD/MMC type memory standard
<hr/>		
Power Supply	<b>Battery</b>	Removable/Rechargeable 1800 mAh Lithium-Ion user swappable battery. Optional extended 3600 mAh Lithium-Ion battery available for purchase ( <a href="http://www.hpshopping.com/ipaqaccessories">http://www.hpshopping.com/ipaqaccessories</a> ).
	<b>AC Power</b>	AC Input: 100~240 Vac, 50/60 Hz, AC Input current: 0.3 Aac max Output Voltage: 5Vdc (typical), Output Current: 2A (typical)
	<b>NOTE:</b>	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. Based on PRD TW.09 measurements to GSM Association/ECTEL Battery Life Measurement Technique Document.
<hr/>		

### Standard Features

<b>AC Adapter</b>	<b>Dimensions (H x W x D)</b>	3 x 1.9 x 1.8 in (76 x 48 x 44 mm - including prongs), (may vary by model)		
	<b>Cord Length (approx.)</b>	6 ft (1.83 m)		
	<b>Power Supply Ratings</b>	<b>Voltage Range</b>	100 to 240 V Switching	
		<b>Input Current</b>	0.3 Aac	
		<b>Input Frequency</b>	50 to 60 Hz	
		<b>Output Voltage</b>	5 VDC	
<b>Output Current</b>	2 Amp			

<b>System Unit</b>	<b>Dimensions (H x W x D)</b>	5.42 x 2.94 x .82 in (137.64 x 74.6 x 20.8 mm)	
	<b>Weight</b>	6.7 oz (190 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>	<b>Electrical</b>	FCC Class B, UL or CSA NRTL
<b>Safety</b>		C-UL, NOM	

<b>Ergonomic Design Features</b>	4 programmable application launch buttons – defaults Inbox, Contacts, Voice Recorder and Camera buttons (may vary by model) Rubber sides for comfortable grip
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<b>Operating System</b>	Microsoft® Windows Mobile™ 2003 software for Pocket PC – Phone Edition Pocket versions of Microsoft software are included (Outlook, Word, Excel and Internet Explorer for Pocket PC)
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<b>Operating System Applications</b>	Powered by Microsoft® Windows Mobile™ 2003 for Pocket PC – Phone Edition Calendar, Contacts, Tasks, Voice Recorder, Notes, Pocket Word (with Spellchecker), Pocket Excel, Pocket Internet Explorer, Windows Media Player 9 (MP3, audio and video streaming), Calculator, Solitaire, Jawbreaker, Inbox (with Spell Checker for email), Microsoft Reader (eBooks), File Explorer, Pictures, Terminal Services Client, VPN Client, Infrared Beaming, Clock, Align Screen, Memory, Volume control, ClearType Tuner (except for Asian languages)
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<b>Additional Software and links</b>	Outlook 2002, Microsoft ActiveSync 3.7.1 (Desktop device synchronization), Microsoft Reader eBooks, Links to Microsoft websites for additional downloadable applications (some programs may require purchase of additional desktop software to utilize Pocket PC versions).
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<b>Removable Keyboard</b>	26 alpha-numeric keys with 2 application buttons, and send/end buttons – (Included in box on some models)
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<b>Wired Ear Bud Headset</b>	3.5mm plug with single earbud – Included in box. Optional stereo headsets available at <a href="http://www.plantronics.com">http://www.plantronics.com</a> .
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## Standard Features

**Service and Support** One-year parts and labor in most regions; 90 days technical support for software in most regions. Additional offers may vary by region.

**HP Exclusive Applications** iPAQ Wireless: utility to manage wireless connections  
 HP Profiles: set and name profiles to be used at different times for different functions, such as ring type, volume, brightness and wireless settings  
 Bluetooth Manager  
 iPAQ File Store: non-volatile storage in flash ROM  
 iPAQ Backup: utility for Backup/Restore to Main Memory, Memory Card or iPAQ File Store  
 HP Image Capture: application to take digital photographs with the integrated camera (on some models)  
 HP Image Zone for Pocket PC: application to view, edit images and create slide shows  
 HP Image Transfer: application to transfer digital photographs from the iPAQ to your personal computer  
 Utilities: Self Test, iPAQ Audio, Power Status

**NOTE:** Programs may vary based on model. Wireless carrier specific models may contain different applications.

Companion CD from HP	Full Versions	Trial Versions
<b>Applications</b>	Westek ClearVue Suite HP Mobile Print Center HP Image Transfer HP TTY Support Pointsec File Encryption	CommonTime mNotes (30-day trial) XcelleNet, Afaria Device Management (demo version) HP Wireless Presenter-to-Go Intellisync Email Accelerator Client
<b>CD Links</b>	Extended Systems Mobile Groupware Client Good Technology Goodlink Wireless Messaging Handango	
<b><u>Additional Documentation</u></b>		
Safety and Comfort Guide on PDF, and User Guide on PDF		
<b>NOTE:</b> Programs may vary based on model. Some programs are accessed through CD links to download web sites.		

<b>GSM/GPRS Specifications<sup>1</sup></b>	<b>Technology</b>	Global voice and data wireless network (GSM – Global System for Mobile Communications/GPRS – General Packet Radio Services)
	<b>Regulatory</b>	Compliant with ETSI GSM Phase 2+ standard
	<b>Operation</b>	Quad band GSM/GPRS (GSM 850/900/1800/1900 MHz)
	<b>Power class</b>	Class 4 (2W @ 850/900 MHz) Class 1 (1W @ 1800/1900 MHz)
	<b>GPRS data features</b>	Class B GPRS Multi slot Class 10 Coding Schemes: CS1 to CS4
	<b>GSM voice features</b>	Full Rate, Enhanced Full Rate, Adaptive Multi-Rate (FR/EFR/AMR) Echo cancellation and noise reduction Full duplex hands free
	<b>GSM Data</b>	Circuit Switched Data – GSM Transparent and non-transparent (NT) data

## Standard Features

<b>Supplementary Services Supported</b>	Call forwarding, Call barring Multiparty Calling Line Identity Call Waiting and Call Hold USSD Phase 1 (Mobile Terminated Operation Only)
<b>Messaging Services</b>	SMS (Short Message Service) for GSM and GPRS, both mobile-originated and mobile-terminated SMS MMS (Multimedia Message Service) Cell Broadcast
<b>SIM</b>	SIM standards, Phase 1,2, 2+, CPHS
<b>Carrier certification</b>	See <a href="http://www.hp.com">http://www.hp.com</a> (search for iPAQ h6000 certifications)
<b>Agency certification</b>	UL, FCC, Industry Canada, CE, IDA, C-Tick
<b>Ring Tones file formats</b>	MIDI Type 0, WMA, WAV

### NOTE:

<sup>1</sup> A GSM/GPRS infrastructure, and a service contract with a wireless network airtime provider may be required for applicable wireless communication. Wireless Internet use requires a separately purchased service contract. Check with wireless service providers for availability and coverage in your area. Wireless access point required and is not included. Wireless Internet use requires separately purchased Internet service contract. Not all web content available.

## WLAN Specifications<sup>1,2</sup>

<b>Technology</b>	High-speed wireless access to the Internet, email and corporate data
<b>RF Network Standard</b>	IEEE 802 Part 11b (802.11b)
<b>Frequency Band</b>	2.4000 to 2.4835 GHz 2.4465 to 2.4835 GHz (France) 2.4000 to 2.497 GHz (Japan)
<b>Antenna type</b>	Embedded Antenna
<b>Security</b>	WEP 64/128-bit compliant to IEEE 802.11 Compliant to 802.1X (EAP-TTLS, EAP-TLS, PEAP) LEAP, WPA
<b>Network Architecture Models</b>	Ad-hoc (Peer to Peer) Infrastructure (Access Points Required)
<b>Modulation Technique</b>	Direct Sequence Spread Spectrum
<b>Modulation Schemes</b>	DBPSK, DQPSK, CCK
<b>Receiver Sensitivity – Packet Error Rate (8E-2)</b>	11 Mbps: <-80 dBm 5.5 Mbps: <-82 dBm 2 Mbps: <-86 dBm 1 Mbps: <-89 dBm
<b>Maximum Receive Level</b>	-10dBm (1/2/5.5/11 Mbps)
<b>Output Power (approximately)</b>	15 dBm
<b>Power Management</b>	Radio On/Off control through Microsoft Connection icon, (need to verify) Power Save mode available in Power Settings
<b>Power Consumption</b>	Transfer mode: < 300 mA, average Receive mode: < 200 mA, average
<b>Power Saving Option</b>	802.11 Compliant Power Saving, idle mode 20 mA



## Standard Features

### Usage Models

#### Service Discovery

Determine what Bluetooth devices are within range and support authorization

#### Handsfree Operation

Make and receive phone calls using a Bluetooth headset or handsfree system

#### File Transfer

File and directory browsing and navigation on another Bluetooth device.

File copying

Object manipulation – including add, delete, create new folders etc.

#### Serial Port

Synchronization between PDAs and PCs

#### Dial Up Networking Server

Wireless link to WAN for Bluetooth enabled notebook or other access device<sup>1</sup>

#### LAN Access

Wireless link to Corporate LAN using Bluetooth and appropriate Bluetooth access point<sup>1</sup>

Corporate email, network neighborhood, access to LAN applications, file transfer, ftp, Internet browsing, etc, using TCP/IP<sup>1</sup>

Access the Internet by connecting to your desktop or notebook over Bluetooth

and using its network connection<sup>1</sup>

#### Generic Object Exchange and Object Push

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

#### Personal Area Networking

Collaborate, chat, play games, exchange data<sup>1</sup>

Adhoc peer to peer networking<sup>1</sup>

#### Basic Printing and Hard Copy Replacement Profiles

Print to any HP Bluetooth enabled printer without the need for cables or specific print drivers

### Certifications

All necessary regulatory approvals for countries supported including:  
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

#### NOTE:

<sup>1</sup> A standard Bluetooth wireless infrastructure and/or other devices enabled with Bluetooth may be required for applicable wireless communication.

### Options

**NOTE:** Optional accessories are available at additional cost, see <http://www.hpshopping.com/ipaqaccessories> for details.

Memory/Storage	128 MB SD Memory Card	FA135A#AC3
	256 MB SD Memory Card	FA136A#AC3
	512 MB SD Memory Card	FA184A#AC3
	1GB SD Memory Card	FA283A#AC3
Power	1800 mAh Lithium Ion Standard Battery	FA235A#AC3
	3600 mAh Lithium Ion Extended Battery	FA236A#AC3
	Automobile Adapter	FA125A#AC3
	Charger Adapter	FA133A#AC3
	AC Adapter	FA130A#ABA
Synchronization	Desktop Cradle	FA234A#AC3
Input Devices	Stylus Three-pack	FA237A#AC3
	SDIO Camera (Photosmart Mobile Camera)	FA185A#ABA
	Wireless Bluetooth Foldable Keyboard	FA287A#AC3
Navigation	iPAQ Navigation System	FA196A#ABA
Cases	Expandable Belt Case	FA117A#AC3
	Leather Belt Case	FA350A#AC3
	Custom Cases: to view and order go to: <a href="http://www.casesonline.com">http://www.casesonline.com</a>	



### HP iPAQ Pocket PC h6315 is a Microsoft® Windows® Powered Pocket PC

For more information on HP iPAQ Pocket PC, visit our website at <http://www.hp.com/go/iPAQ>

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