

### Overview



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|-------------------------------------|----------------------------|
| 1. Active Bluetooth/WLAN Indicator  | 6. Inbox Button            |
| 2. Power Button                     | 7. 5-Way Navigation Button |
| 3. LED Power/Notification Indicator | 8. Contacts Button         |
| 4. Color Display                    | 9. Calendar Button         |
| 5. iTask Button                     |                            |

### At A Glance

- Integrated WLAN 802.11b<sup>1</sup>
- Integrated Bluetooth™<sup>1</sup>
- Integrated SD expansion slot
- Microsoft® Windows® Mobile™ 2003 software for Pocket PC
- Dazzling Transflective TFT color with LED backlight display
- Removable/rechargeable battery
- Stay productive with Pocket versions of familiar applications like Microsoft Outlook , Word and Excel

**NOTE** <sup>1</sup>: A standard WLAN infrastructure, other devices enabled with Bluetooth, and a service contract with a wireless airtime provider may be required for applicable wireless communication. Wireless Internet use requires a separately purchased service contract. Check with a service provider for availability and coverage in your area. Not all web content available.

# QuickSpecs

HP iPAQ Pocket PC h4150 Series

## Standard Features

### Models

#### iPAQ Pocket PC h4150 – 64-MB SDRAM

FA174A#ABA – US Commercial, English

FA174A#ABC – French Canadian

FA174A#ABG – Australia, New Zealand

FA174A#ABU – UK, English

FA174A#ABB – Euro English

FA174A#ABD – German

FA174A#ABF – French

FA174A#ABZ – Italian

FA174A#ABE – Spanish

FA174A#B16 – Latin America, Spanish

FA174A#AC4 – Brazilian Portuguese

FA174A#ABJ – Japanese

FA174A#UUF – APD, English

FA174A#AB2 – S-Chinese

FA174A#AB0 – Taiwan, T-Chinese

FA174A#AB5 – Hong Kong, T-Chinese

FA174A#AB1 – Korean

FA174A#ARE – Malaysia

#### iPAQ Pocket PC h4155 – 64-MB SDRAM

FA175A#ABA – US Retail, English

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<b>Processor</b>	400 MHz Intel® Xscale™ technology-based processor	
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<b>Memory</b>	<b>SDRAM</b>	64-MB (55-MB user accessible) Up to 2.8-MB iPAQ File Store (varies by SKU)
	<b>ROM</b>	32-MB

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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
	<b>Viewable Image Size</b>	3.5 in (89 mm)

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<b>Hardware Buttons/ Reset Buttons</b>	One power button, one recording button, one soft reset switch, four software programmable application buttons, one 5-way navigation button	
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<b>Stylus</b>	One (extra stylus included in the box)	
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<b>Audio</b>	Integrated microphone, speaker and one 3.5 mm headphone jack, MP3 stereo (through audio jack)	
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<b>Notification Systems</b>	<b>Alarms</b>	Solid amber LED (right) - battery in unit fully charged Flashing amber LED (right) - battery in unit is charging Flashing green LED (right) - event alarm/notification Flashing green LED (left) - WLAN active Flashing blue LED (left) - Bluetooth active
	<b>Notification</b>	Sound and message on the display

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<b>Cradle Interfaces</b>	<b>Connector</b>	1
	<b>Cable</b>	1 USB cable connects to PC
	<b>DC Jack connector for AC Adapter</b>	1
	<b>Additional battery charger</b>	Charge additional slim or extended batter

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<b>SD Slot</b>	Support SDIO and SD/MMC type standard
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<b>Power Supply</b>	<b>Battery</b>	Removable/Rechargeable 1000 mAh Lithium-Ion user swappable battery. Estimated usage time of fully charged battery up to 12 hours (no wireless, no backlight). Optional extended 1800 mAh Lithium-Ion battery available for purchase.
	<b>AC Power</b>	AC Input: 100~240 Vac, 50/60 Hz, AC Input current: 0.2 Aac max Output Voltage: 5Vdc (typical), Output Current: 2A (typical)

**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.

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<b>Ergonomic Design Features</b>	Instant-on/off and Backlight
	5-way Navigation button
	Touch-sensitive display for stylus
	4 programmable application launch buttons - defaults configured for Calendar, Contacts, Inbox, and iTask buttons
	Record button
	2 alarm settings
Built-in speaker	

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<b>HP Exclusive Applications</b>	Bluetooth Manager
	iPAQ File Store: non-volatile storage in flash ROM (not available in Japanese, Simplified Chinese, Traditional Chinese and Korean versions)
	iPAQ Backup: utility for Backup/Restore to Main Memory, Memory Card or iPAQ File Store
	iPAQ iTask Manager: access and launch programs easily
	iPAQ Image Zone: view images and create slide shows
	Utilities: Self Test, iPAQ Audio, Power Status

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### Standard Features

Companion CD from HP

#### APPLICATIONS

##### Full Versions

HP Web registration  
HP Mobile Print Center  
Westtek ClearVue Suite  
F-Secure FileCrypto Data Encryption  
Colligo Personal Edition  
Adobe PDF Viewer  
RealOne Player for Pocket PC  
iPresenter PowerPoint converter  
MobiMate WorldMate  
Resco File Explorer 2003 - U.S. Retail only

##### Trial Versions

Xcellenet Afaria Device Management Agent  
Margi Presenter-to-Go (requires purchase of additional hardware)  
Illium ListPro  
CommonTime Cadenza mNotes  
Resco Picture Viewer - U.S. Retail only

##### CD LINKS

NetMotion  
Avaya IP Softphone  
IP Blue VTGO!  
Cisco CallManager  
Pocket Presence Running Voice IP  
Vindigo  
Audible Manager and Audible Player (Service plan required to download and play Audible content - link)  
SingleTap  
Handango  
Pocket Backup Plus

##### Additional Documentation

Safety and Comfort Guide on PDF, and User Guide on PDF

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

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#### Operating System

Microsoft Windows Mobile 2003 software for Pocket PC - Premium edition  
Pocket versions of Microsoft software are included (Outlook, Word, Excel and Internet Explorer for Pocket PC)

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#### Operating System Applications

Powered by Microsoft Windows Mobile 2003 for Pocket PC  
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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#### Additional Software and links

Outlook 2002, Microsoft ActiveSync 3.7 (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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#### Service and Support

One-year parts and labor in most regions; two-year warranty in Europe (one-year warranty for rechargeable battery pack) 90 days technical support for software in all regions. Optional HP Care Pack available in North America for Next Business Day replacement (at additional charge)

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### Standard Features

<b>WLAN Specifications<sup>1</sup> Radio Specifications</b>	<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 Inverted F Antenna
	<b>WEP Security</b>	64/128-bit compliant to IEEE 802.11 Compliant to 802.1X
	<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 (maximum)</b>	15 dBm (limited due to FCC SARS requirements)
	<b>Power Management</b>	Radio On/Off control through Microsoft Connection icon, Power Save mode available in Power Settings
	<b>Power Consumption</b>	Transfer mode: < 380 mA, average Receive mode: < 280 mA, average
	<b>Power Saving Option</b>	802.11 Compliant Power Saving, idle mode 25 mA
	<b>Media Access Protocol</b>	CSMA/CA (Collision Avoidance) with ACK
	<b>Protocols Supported</b>	TCP/IP IPX/SPX UDP
	<b>SAR</b>	1.0 mW/g
	<b>Throughput</b>	>4.5 Mbps
	<b>Operating Distance</b>	Up to 1000 feet - open sight
	<b>Certifications</b>	All necessary regulatory approvals for countries we support including: WECA Wi-Fi approval FCC (47 CFR) Part 15C, Section 15.247&15.249 ETS 300 328, ETS 301 489-1 Low Voltage Directive IEC950 UL, CSA, and CE Mark

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