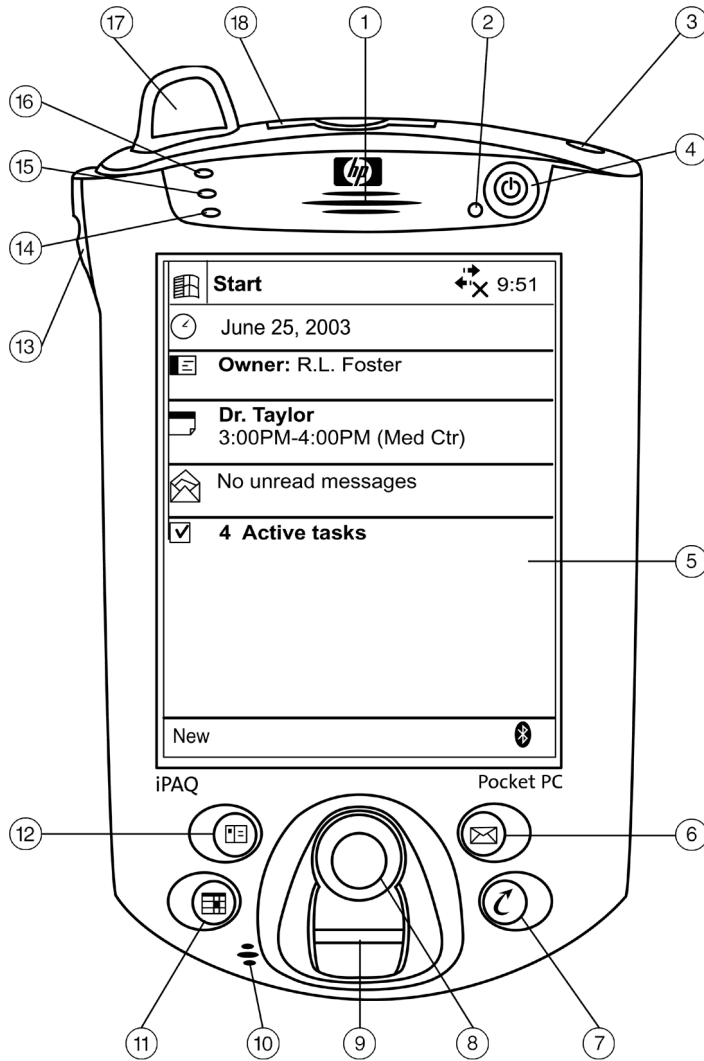


Overview



- | | |
|----------------------------|--------------------------------|
| 1. Speaker | 10. Microphone |
| 2. Power Indicator | 11. Calendar Button |
| 3. Stylus | 12. Contacts Button |
| 4. Power Button | 13. Volume/Record |
| 5. Color Display | 14. Light Sensor |
| 6. Inbox Button | 15. Active Bluetooth Indicator |
| 7. iTask Button | 16. Wireless LAN Indicator |
| 8. 5-Way Navigation Button | 17. Antenna |
| 9. Fingerprint Reader | 18. SD Slot |

Overview

At A Glance

- Microsoft® Windows® Mobile™ 2003 software
- Integrated Wireless LAN 802.11b
- Integrated Bluetooth™
- Integrated Biometric Fingerprint Reader
- Removable/Rechargeable Battery
- Dazzling Transflective TFT color liquid crystal display
- Integrated Secure Digital slot
- Intel® XScale processor
- Increased memory
- Advanced Power Management
- 3.5 mm 4-way Audio Jack

Standard Features

Models

iPAQ Pocket PC h5550– 48-MB ROM/128-MB RAM WLAN/BT/Biometrics/SD

FA107A#8ZQ - U.S. Commercial, English

FA107A#ABG - Aust/NZ, English

FA107A#ABB - Euro, English

FA107A#ABU - UK, English

FA107A#ABD - German

FA107A#ABF - French

FA107A#ABZ - Italian

FA107A#ABE - Spanish

FA107A#ABC - Canadian, French

FA107A#ABM - Latin America, Spanish

FA107A#AC4 - Brazil/Portugal, Portuguese

FA107A#ABJ - Japanese

FA107A#UUF - APD, English

FA107A#AB2 - S-Chinese

FA107A#AB0 - Taiwan, T-Chinese

FA107A#AB5 - Hong Kong, T-Chinese

FA107A#AB1 - Korean

iPAQ Pocket PC h5555–48-MB ROM/128-MB RAM WLAN/BT/Biometrics/SD

FA107A#8ZP - U.S. Retail, English

Processor	400 MHz Intel® XScale™ technology-based processor
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Memory	128-MB SDRAM; 48-MB Flash ROM Memory
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Input Method	Handwriting recognition, soft keyboard, character recognition, voice recorder, inking
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Interfaces	4 mode alarm notification Vibrate, flashing green LED, tone, pop-up message Charge active: flashing / solid amber LED Bluetooth active: flashing blue LED WLAN active: flashing green LED WLAN enabled, searching, but not connected: flashing amber LED
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Standard Features

Cradle Interfaces	Connector Cable DC Jack connector for AC Adapter Stylus Holder Stabilizing Tab Release Button Base extension	1 1 USB or Serial cable connects to PC 1 2 holes, on left and right front 2 Tabs engage the sides of Pocket PC when no Expansion Pack is in use An extendable base which can be used to raise cradle to enhance biometric fingerprint swipe motion while in cradle
Display	Transflective TFT liquid crystal display 64K color (65,536 colors) 16-bit touch-sensitive transflective thin film transistor (TFT) liquid crystal display (LCD) Viewable image size – 2.26 in wide x 3.02 in tall (57.6 mm wide x 76.8 mm tall), 3.8 in Diagonal (96 mm)	
Power Supply	1250 mAh Lithium-Ion Polymer removable / rechargeable battery (in docking cradle or with AC Adapter) Internal Back up battery - Allows user to swap main removable battery with the system power in standby 2500 mAh Lithium-Ion Polymer Extended Battery (sold as an accessory) Battery Re-Charge Time	System in OFF mode or Standby 2.5 hours System ON (depending on system power consumption) 3 to 6 hours
	NOTE: Battery life will vary based on the usage pattern of an individual user and the configuration of the handheld. Use of some attachments may significantly decrease battery life.	
Expansion Capabilities	Supports PC card, CF and other iPAQ Expansion Packs Integrated SD slot - supports SD/MMC type standard, SDIO ready	
Audio Capabilities	Audio record and playback (play MP3 music or audio programs from the Web, as well as records and plays back voice notes or meeting notes) Volume up/down Integrated speaker, 3.5 mm stereo headphone and microphone jack	
Ergonomic Design Features	Multifunction power button 5-way Navigation Button Volume up/down Biometric Fingerprint Reader Touch-sensitive display for stylus or fingertip Microphone and Speaker on front-side of unit	

Standard Features

HP Exclusive Applications These are the extras that HP put in ROM

(On device)

iPAQ Fingerprint Reader: enhanced security
iPAQ File Store: non-volatile storage in flash ROM
iPAQ iTask Manager: access and launch programs easily
iPAQ Backup: utility for Backup/Restore to Main Memory, Memory Card, or iPAQ File Store
iPAQ Image Viewer: view images and create slide shows
Adjustable Standby Settings: utility for adjusting power conservation modes
Utilities: Self Test, Expansion pack, iPAQ Audio, Power Status

Companion CD from HP APPLICATIONS

Full Versions

Jeode Java Virtual Machine
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 Ewallet
Illium ListPro
CommonTime Cadenza mNotes

CD LINKS

HP Mobile Print Center
CheckPoint
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

Additional Documentation

iPAQ Reference Guide on PDF

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

Standard Features

Operating System Applications	Microsoft® Windows® Mobile™ 2003 Premium software 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, MSN Messenger, Pictures, Terminal Services Client, VPN Client, Infrared Beaming, Clock, Align Screen, Memory, Volume control, ClearType Tuner (except for Asian languages)
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Applications from Microsoft on Companion CD	Additional Software from Microsoft 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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WLAN Specifications*

Radio Specifications	RF Network Standard	IEEE 802 Part 11b (802.11b)
	Frequency Band	2,4000 to 2.4835 GHz 2,4465 to 2.4835 GHz (France) 2,4000 to 2,4697 GHz (Japan)
	Antenna type	High performance ½ wavelength stub, connected via micro strip touch pad
	WEP Security	64/128-bit compliant to IEEE 802.11 Compliant to 802.1X
	Network Architecture Models	Ad-hoc (Peer to Peer) Infrastructure (Access Points Required)
	Modulation Technique	Direct Sequence Spread Spectrum
	Modulation Schemes	DBPSK, DQPSK, CCK
	Receiver Sensitivity – Bit Error Rate (1E-5)	11 Mbps: <-80 dBm 5.5 Mbps: <-82 dBm 2 Mbps: <-85 dBm 1 Mbps: <-88 dBm
	Maximum Receive Level	-4 dBm (1/2 Mbits) -10dBm (5.5/11 Mbits)
	Output Power (approximately)	17 dBm
	Power Management	Radio On/Off control through Microsoft Connection icon
	Power Consumption	Transfer mode: < 500 mA, maximum Receive mode: < 260 mA, maximum Standby mode: < 20 mA, nominal
	Power Saving Option	802.11 Compliant Power Saving, 50 mA
	Media Access Protocol	CSMA/CA (Collision Avoidance) with ACK
	Protocols Supported	TCP/IP IPX/SPX UDP
	Throughput	Data Rate
> 4.5 Mbps	11 Mbps	Operating Distance
		<ul style="list-style-type: none"> • 1000 feet – Open sight • 100 feet – Closed space (Steel Space)
> 2 Mbps	5.5 Mbps	<ul style="list-style-type: none"> • 1100 feet – Open sight • 200 feet – Closed space (Steel Space)

Standard Features

- > 700 Kbps
- 1 Mbps
- 1200 feet – Open sight
- 300 feet – Closed space (Steel Space)

Certifications 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 300 826
Low Voltage Directive IEC950
UL, CSA, and CE Mark

NOTE: * 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.

Bluetooth Specifications*	Technology	High-speed, low-power, short-range
	Bluetooth specification	1.1 compliant (2.4-GHz Industrial Scientific Medical Band)
	System interface	921k high-speed UART processor interface
	User Interface	Bluetooth Manager
	Operating system support	Microsoft Pocket PC and Pocket PC 2003
	Device type	Class II device; up to 4 dBm transmit, typical 10 meter range
	Power	3.3V ± 5% Peak current - typical TX current at approximately 140 mA
	Receiver sensitivity	-78 dBm or greater
	Regulatory standards	R&TT#-EN 300 328 and EN 300 826, UL 1950, CB Safety Scheme inclusive of EN 60950 and IEC 950, FCC Part 15 subpart C, Canadian, CE,
	Profile Support	General Access Profile Service Discovery Application Profile Serial Port Profile Generic Object Exchange Profile File Transfer Profile Dial-Up Networking Profile LAN Access Profile Object Push Profile Personal Area Networking Profile Basic Printing Profile Hard Copy Replacement Profile (printing) Headset profile

Standard Features

Usage Models *

Service Discovery

Determine what Bluetooth devices are within range and support authorization

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 PDA's and PC's

Access Point

Wireless link to WAN thru cell phone*

Agnostic to WAN technology

Send/receive SMS messages

Connect your printer and scanner to your personal network wirelessly

Adhoc Bluetooth Pico-networking (point to multi-point)

LAN Access

Wireless link to Corporate LAN using Bluetooth and appropriate Bluetooth Access Point*

Corporate email, network neighborhood, access to LAN applications, file transfer, ftp, Internet browsing, etc, using TCP/IP*

Access the Internet by connecting to your desktop or notebook over Bluetooth and using its network connection*

Object Push

Exchange business cards, tasks, documents, appointments and more*

Personal Area Networking

Collaborate, chat, play games, exchange data

Adhoc peer to peer networking

Basic Printing and Hard Copy Replacement Profiles

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

Bluetooth Headset Profile

Redirect your Pocket PC's audio to a Bluetooth headset or use a headset's microphone with your handheld

Certifications

All necessary regulatory approvals for countries we support including:

Bluetooth logo (FCC (47 CFR) Part 15C, Section 15.247&15.249 ETS 300 328, ETS 300 826 Low Voltage Directive IEC950 UL and CE Mark

NOTE: * 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.

Biometric Fingerprint Reader

Thermal Silicon Sensor - measures the temperature differential between the skin ridges and the air caught in the fingerprint valleys.

280 pixel image width

500 dpi pixel pitch

Small sensor size (0.4 x 14 mm) optimized for handheld devices.

Full fingerprint image is captured by sweeping the finger across the sensor area

High quality image even with dry or difficult fingerprints

Self-cleaning - no latent print is left on the imaging surface

Standard Features

Operating System

Microsoft® Windows® Mobile 2003 Premium software for Pocket PC

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)

Technical Specifications

System Unit	Dimensions	5.43 x 3.3 x 0.63 in. (138 x 84 x 15.9 mm)		
	Length of Unit (without LAN antenna)	5.23 in (133.0 mm)		
	Length of Unit (with LAN antenna)	5.43 in (138.0 mm)		
	Width	3.30 to 3.03 in tapering (84.0 to 77.0 mm tapering)		
	Depth	0.63 in (15.9 mm)		
	Weight	7.29 oz (206.8 g)		
	Operating Temperature	32° to 104° F (0° to 40° C)		
	Operating Humidity	10% to 90%		
	Regulatory Marks	Electrical Safety	FCC Class B, VCCI, CE, C-Tick, CE Marking, C-UL, NOM	
	RAM	128 MB		
ROM (Flash)	48 MB (Flash ROM)	Up to 12.5 MB non-volatile flash ROM storage available in iPAQ File Store (varies by SKU)		

TFT Color Display	Number of Colors	65,536 (64K 16-bit)	
	Resolution (W x H)	240 x 320	
	Dot Pitch	0.24 mm	
	Viewable Image (W x H)	2.26 x 3.02 in (57.6 x 76.8 mm), 3.8 in Diagonal (96 mm)	
	Display Type	Color (65,536 colors (16 bit) transfective thin film transistor (TFT) liquid crystal display (LCD))	

AC Adapter	Dimensions (H x W x D)	3 x 1.9 x 1.8 in (76 x 48 x 44 mm) (including prongs)		
	Cord Length (approximate)	6 ft (1.83 m)		
	Power Supply Ratings	Voltage Range	100 to 240 V Switching	
		Input Current	0.3 A	
		Input Frequency	50 to 60 Hz	
		Output Voltage	5 VDC	
	Output Current	2 Amp		

Removable/ Rechargeable Battery	1250 mAh Lithium Ion Polymer
	Internal backup battery (not removable)

Technical Specifications

Battery Life Estimations Usage Scenarios using Slim Removable 1250 mAh battery

Idle Mode (screen active with no user Input or Output) Up to 12 hours

Active Mode, Backlight off (frequent user input) Up to 10 hours

Idle Mode, WLAN receive only (Power Management On) Up to 3 hours

Idle Mode, Backlight off, WLAN transmit and receive (Power Management On) Up to 3 hours

NOTE: These scenarios are estimations using the default Standby Setting of 72 hours. Battery life will vary based on an estimated typical use pattern of an average user, the configuration of the computer and the usage pattern of the individual user. Use of some attachments may significantly decrease battery life.

Options

Expansion Packs	CF Card Expansion Pack Plus	249709-B21	FA121A#AC3
	PC Card Expansion Pack Plus	249708-B21	FA120A#AC3
	CF Card Expansion Pack	170339-B22	FA115A#AC3
	Dual-Slot PC Card Expansion Pack	216198-B21	FA116A#AC3

Style Packs	Cover Pack		FA119A#AC3
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Memory/Storage	IBM Microdrive with PC Card Adapter	217390-B25	DC379A
	64-MB SD Memory Card	253478-B21	FA134A#AC3
	128 MB SD Memory Card	253479-B21	FA135A#AC3
	256 MB SD Memory Card	287464-B21	FA136A#AC3

Power	AC Adapter	253629-xxx	FA130A#xxx
	Auto Adapter	253508-B21	FA125A#AC3
	Slim Battery for Expansion Pack Plus Products	253512-B21	FA127A#AC3
	Extended Battery for Expansion Pack Plus Products	253514-B21	FA128A#AC3
	iPAQ Pocket PC Slim Battery	290484-B21	FA139A#AC3
	iPAQ Pocket PC Extended Battery	2904860B21	FA140A#AC3
	Battery Charger	253516-B21	FA129A#xxx
	Charger Adapter	274707-B21	FA133A#AC3

NOTE: Part numbers ending with xxx are specific to country.

Synchronization	USB/Serial AutoSync Cable	250178-B21	FA122A#AC3
	USB/Serial Desktop Cradle	250182-B21	FA123A#AC3

Communications	CompactFlash Modem 56K V.90 (requires CF Card Expansion Pack)	268927-xxx	FA132A#xxx
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NOTE: Part numbers ending with xxx are specific to country.

Cases	Expandable Case	217883-B22	FA117A#AC3
	Premier Leather Case	253504-B21	FA124A#AC3
	Zippered Leather Case	262207-B21	FA131A#AC3
	Rugged Case	282348-B21	FA137A#AC3
	Three Pack of Screen Protectors		FA138A#AC3
	Custom Cases - To view, and place an order: www.hp.com/products/pocketpc/options		

Options

Other	Stylus Three-Pack Replacement Kit	253510-B21	FA126A#AC3
	Micro Keyboard	312391-xxx	FA141A#xxx
	Micro Keyboard		250111-xxx
	Foldable Keyboard	249693-xxx	FA118A#xxx

Plantronics Headset - To view, and place an order:

www.hp.com/products/pocketpc/options

NOTE: Part numbers ending with xxx are specific to country.

NOTE*: Options are sold separately



HP iPAQ Pocket PC h5500 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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