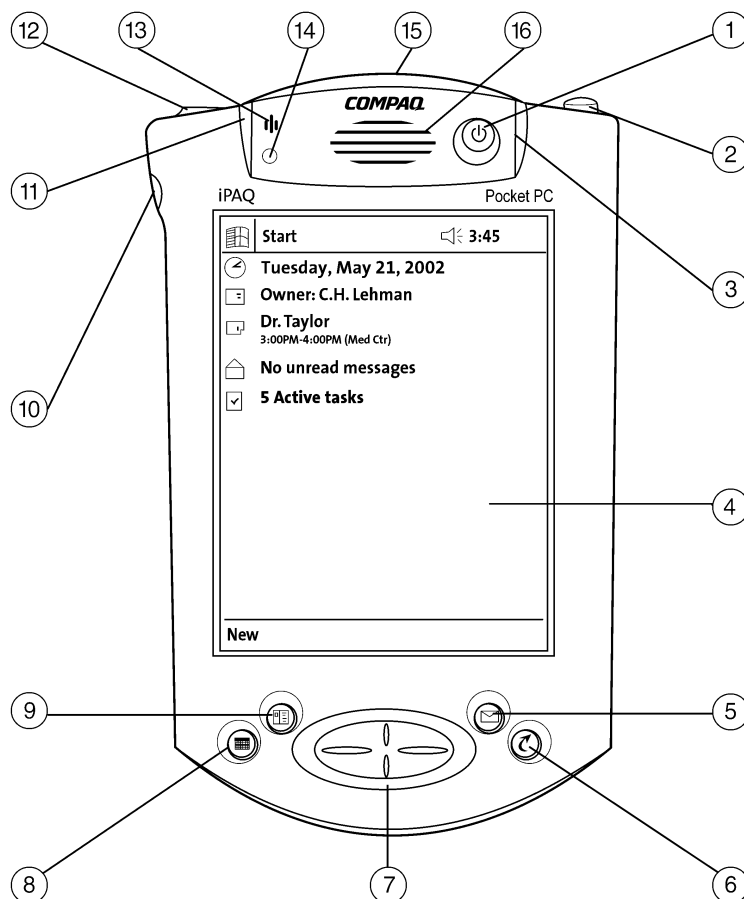## Overview

### At A Glance

- Optimized Intel® X-Scale processor focuses on accelerating multimedia and security
- SD expansion cards – Supports SD Memory cards and SDIO
- Standby Settings – user adjustable standby settings to maximize usage time or battery standby period
- *iPAQ*™ Backup: Comprehensive data preservation tool for backup and restore
- Interactive Universal Remote control for home and office entertainment systems and other systems controllable via infrared
- The most versatile and expandable handheld PC
- Dazzling Transflective TFT color liquid crystal display
- Microsoft® Pocket PC 2002

1. Power Button
2. Stylus
3. Charging/Notification Indicator
4. Color Display w/Integrated Touch Panel
5. Inbox Button
6. iPAQ Task Manager Button
7. Directional Pad
8. Calendar Button

9. Contacts Button
10. Record Button
11. Active Bluetooth Indicator (Bluetooth models only)
12. Stereo Headphone Jack
13. Microphone
14. Ambient Light Sensor
15. SD Slot
16. Speaker

## *Standard Features*

### Models

**Compaq *iPAQ* Pocket PC H3970 – 48-MB ROM/64-MB RAM CIR/SD/BT**
269809-001

**Compaq *iPAQ* Pocket PC H3975 – 48-MB ROM/64-MB RAM CIR/SD/BT**
269809-002

**Compaq *iPAQ* Pocket PC H3950 – 32-MB ROM/64-MB RAM CIR/SD**
269808-001

**Compaq *iPAQ* Pocket PC H3955 – 32-MB ROM/64-MB RAM CIR/SD**
269808-002

| | | |
|---|---|---|
| **Processor** | 400 MHz Intel PXA250 Application Processor | |
| **Memory** | 64-MB SDRAM, 48- or 32-MB Flash ROM Memory | |
| **Input Method** | Handwriting recognition, soft keyboard, character recognition, voice recorder, inking | |
| **Interfaces** | Wireless | Bluetooth™ (selected models) 1.1 compliant and class 2 radio |
| | | Consumer IR & IrDA (115 Kb per second) |
| | Internal Expansion | Secure Digital (SD) expansion slot* |
| | Front Panel | Button 1: On/Off and backlight button |
| | | Buttons 2-5:  Customizable application buttons |
| | | Five-way joystick: up, down, left, right, and push |
| | Side Panel | Voice recorder button |
| | Communications Port | USB/serial connectivity for connecting to cradle or directly to PC via cable |
| | **NOTE**: * = SD Expansion slot supports SD or MMC memory cards.  Use of SDIO (SD Input/Output) cards will require installation of driver software to utilize the cards.  See http://www.compaq.com/handhelds for list of latest tested SD cards. | |
| | **NOTE**:  This web site is available in English only. | |
| **Cradle Interfaces** | Connector | 1 |
| | Cable | 1 USB or Serial cable connects to PC |
| | DC Jack connector for AC Adapter | 1 |
| | Stylus Holder | 2 holes on left and right front |
| | Stabilizing Tab Release Button | 2 Tabs engages the sides of Pocket PC when no Expansion Pack is in use |
| **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** | 1400 mAh Lithium Polymer rechargeable (in docking cradle or with AC Adapter) | |
| | **NOTE**: 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. | |
| **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) | |
| | One-touch instant-record button | |
| | Integrated speaker, stereo headphone jack | |
| | Integrated microphone | |

# *QuickSpecs*

## *Standard Features*

| | |
|---|---|
| **Communications** | Bluetooth enables users to communicate wirelessly with other cellular and computing devices using wireless personal area networking (WPAN) technology (e.g. Bluetooth PC card). For the IT manager it enables connectivity with any Bluetooth-enabled cellular phone without requiring support for multiple connections. Users have the ability to: |
| | Exchange business cards, calendar appointments, documents and more with other Bluetooth devices. |
| | Access your Internet and corporate via a mobile phone with Bluetooth wireless technology. |
| | Synchronize data using ActiveSync® on your PC enabled with Bluetooth wireless technology. |

| | | |
|---|---|---|
| **Bluetooth Specifications*** | Technology | Bluetooth high-speed, low-power microwave wireless link |
| **NOTE**: Only applicable to H3970 model. | Bluetooth specification | 1.1 compliant (2.4-GHz Industrial Scientific Medical Band) |
| | User Interface | Bluetooth Manager |
| | Operating system support | Microsoft Pocket PC |
| | Device type | Class II device; up to 4 dB 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 | Generic access Service discovery, Service Discovery Application, Serial port, LAN access, Dial-up networking, General object exchange, Object Push (business cards, contacts, calendar and tasks), File Transfer, Active Sync through serial port |

| | |
|---|---|
| **Ergonomic Design Features** | Instant-on/off and frontlight |
| | 5-way joystick |
| | Touch-sensitive display for stylus or fingertip |
| | 5 customizable application launch buttons – Calendar, Contacts, Inbox, *iPAQ* Tasks, and Recorder buttons |
| | 4 alarm settings |
| | Speaker on front-side of unit |

| | |
|---|---|
| **Operating System Applications** | Powered by Microsoft Windows® for Pocket PC 2002 |
| | Calendar, Contacts, Tasks, Voice Recorder, Notes, Pocket Word (with Spellchecker), Pocket Excel, Pocket Internet Explorer*, Windows Media Player 8 (MP3, audio and video streaming), Calculator, Solitaire, Inbox (with Spell Checker for email), Microsoft Reader (eBooks), File Explorer, MSN Messenger*, Terminal Services Client, VPN Client, Infrared Beaming, Clock, Align Screen, File Explorer, Memory, Volume control |

| | |
|---|---|
| **Compaq Exclusive Applications** | These are the extras that Compaq put in ROM |
| (On device) | *iPAQ* File Store: nonviolatile file storage in flash ROM; *iPAQ* Task Manager: access and launch programs easily, *iPAQ* Backup: utility for Backup/Restore to Memory Card, *iPAQ* Image Viewer: view images and create slide shows, Nevo: Universal Remote Control, Adjustable Standby Settings: Utility for adjusting power conservation modes , Utilities: Self Test, Auto Run, Expansion pack, Compaq Audio, Power Status |

| | |
|---|---|
| **Applications from Microsoft on Companion CD** | **Additional Software from Microsoft** |
| | Outlook 2002*, Microsoft ActiveSync 3.5 (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) |
| | **NOTE**: * = A standard WLAN infrastructure, other Bluetooth enabled devices, 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 service provider for availability and coverage in your area. Not all web content available. |

## *Standard Features*

| Companion CD from Compaq | | Full Versions | Trial Versions |
|---|---|---|---|
| | **Applications** | Jeode Java Virtual Machine<br>Quick View Plus<br>FileCrypto Data Encryption<br>Bust'em game<br>Adobe PDF Viewer<br>RealOne Player for Pocket PC<br>iPresenter PowerPoint converter<br>Pocket Watch<br>Peacemaker Pro application on SKUs 230297-002 and 230398-002 (NA Retail) | Xcellenet Device Management Agent<br>Wordlogic Predictive Keyboard<br>Eletel Messaging Software<br>Margi Presenter-to-Go (requires purchase of additional hardware)<br>EWallet<br>ListPro |
| | **CD Links** | Vindigo<br>Macromedia® Flash™ Player<br>Audible Manager and Audible Player (Service plan required to download and play Audible content – link)<br>*iPAQ*NET | IBM Via Voice Command and Control of PIM applications (Calendar, Contacts, Inbox) |

**Additional Documentation**

*iPAQ* Reference Guide on PDF , ebook, and Nevo reference guide

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

**NOTE**: * = This product features the Macromedia Flash Player. For further information on the Macromedia Flash Player, visit http://www.macromedia.com/software/flash/about/.

| Operating System | Microsoft Pocket PC  2002 |
|---|---|

| Service and Support | One-year parts and labor in most regions; two-year limited warranty in Europe (one-year limited warranty for rechargeable battery pack) 90 days technical support for software in all regions. Optional *CarePaq*™ available in North America for Next Business Day replacement (at additional charge) |
|---|---|

# *QuickSpecs*

## *Options*

| | | |
|---|---|---|
| **Expansion Packs** | CF Card Expansion Pack Plus | 249709-B21 |
| | PC Card Expansion Pack Plus | 249708-B21 |
| | CF Card Expansion Pack | 170339-B21 |
| | Dual-Slot PC Card Expansion Pack | 216198-B21 |
| | Bluetooth Wireless Pack with CF Card Slot | 232568-B21 |
| | Wireless Pack for GSM/GPRS Networks | 219926-B21 |
| | Symbol SPS 3000 Bar Code Scanner Expansion Pack | 253880-B22 |
| | Symbol SPS 3000 Scanner and WLAN Expansion Pack | 264084-B22 |
| | | |
| **Style Packs** | Cover Pack | 249707-B21 |
| | | |
| **Memory/Storage** | IBM® Microdrive™ with PC Card Adapter | 217390-B25 |
| | 64-MB SD Memory Card | 253478-B21 |
| | 128-MB SD Memory Card | 253479-B21 |
| | 256-MB SD Memory Card | 287464-B21 |
| | CompactFlash (CF) 32-MB Memory Card | 104703-004 |
| | CompactFlash (CF) 64-MB Memory Card | 104703-003 |
| | **NOTE**: Any CF Card Expansion Pack required. | |
| | | |
| **Power** | AC Adapter | 253629-001 |
| | Auto Adapter | 253508-B21 |
| | Slim Battery for Expansion Pack Plus Products | 253512-B21 |
| | Extended Battery for Expansion Pack Plus Products | 253514-B21 |
| | Battery Charger for Expansion Pack Plus Batteries | 253516-001 |
| | Charger Adapter | 274707-B21 |
| | **NOTE**: Part numbers ending with xxx are specific to country. | |
| | | |
| **Synchronization** | Universal AutoSync Cable | 250178-B21 |
| | Universal Desktop Cradle | 250182-B21 |
| | | |
| **Communications** | WL110 Wireless PC Card (requires PC Card Expansion Pack) | 191808-B21 |
| | CompactFlash Modem 56K V.90 (requires CF Card Expansion Pack) | 268927-001 |
| | **NOTE**: Part numbers ending with xxx are specific to country. | |
| | | |
| ***iPAQ*net Mobility Solutions**<br>http://www.compaq.com/ipaqnet<br>(U.S. only) | CDPD Sierra Wireless AirCard300 for Pocket PC, PC Card Expansion Pack, and *iPAQ*net Mobile Internet airtime (Internet and POP3 mail access) | 238712-001 |
| | CDPD Sierra Wireless AirCard300 for Pocket PC and *iPAQ*net Mobile Internet airtime (Internet and POP3 mail access) | 238711-001 |
| | Sierra Wireless AirCard 300 for Pocket PC | 238113-001 |
| | *iPAQ*net Mobile Internet airtime for CDPD – (Internet and POP3 mail access only) | 237424-001 |
| | *iPAQ*net Mobile Internet airtime for CDPD – (Unlimited use) | 224257-001 |
| | | |
| **Wireless Home Networking** | Wireless PC Card | 243657-001 |
| | Wireless USB Adapter | 243658-001 |
| | CP-2W | 241274-001 |

## *Options*

| Cases | | |
|---|---|---|
| | Expandable Case | 217883-B21 |
| | Premier Leather Case | 253504-B21 |
| | Zippered Leather Case | 262207-B21 |
| | Rugged Case | 230465-B21 |
| | Three-Pack of screen protectors | 253517-B21 |

| Other | | |
|---|---|---|
| | Stylus Three-Pack Replacement Kit | 253510-B21 |
| | Micro Keyboard | 250111-001 |
| | Foldable Keyboard | 249693-001 |

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

## *Technical Specifications*

| System Unit | Dimensions (H x W x D) | 5.3 x 3.3 x 0.6 in/134 x 84 x 15.9 mm | |
|---|---|---|---|
| | Weight | 6.5 oz/184 g, including battery | |
| | Operating Temperature | 32° to 104°F/0° to 40°C | |
| | Operating Humidity | 10% to 90% | |
| | Regulatory Marks | Electrical | FCC Class B, VCCI, CE, C-Tick, |
| | | Safety | CE Marking, C-UL, NOM |
| | RAM | 64 MB | |
| | ROM (Flash) | 48 or 32 MB (Flash ROM) | |

| 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) transflective thin film transistor (TFT) liquid crystal display (LCD)) |

| Rechargeable Battery | Battery Life | 64 MB up to 14 hours, 1400 mAh Lithium Polymer rechargeable battery |
|---|---|---|

| 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 |

**Compaq PCs use genuine Microsoft® Windows®**
http://www.microsoft.com/piracy/howtotell