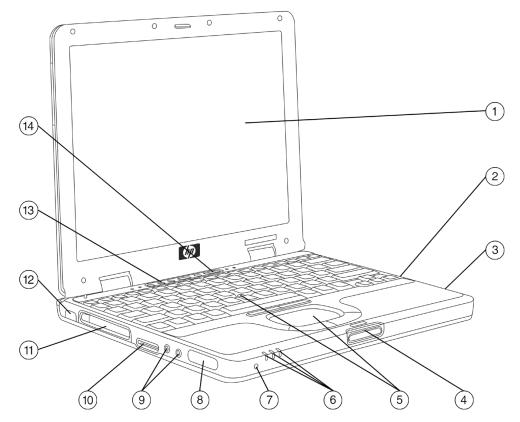
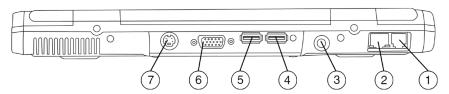
Overview



- 1. Display
- 2. User Removable Hard Drive
- 3. Cable Lock Slot
- 4. Display Latch Release
- 5. Dual Pointing Devices (Pointstick/Touchpad)
- 6. Wireless/Power/Charge LEDs
- 7. Microphone

- 8. Speaker
- 9. Headphone/Microphone Jacks
- 10. Secure Digital (DS) Slot
- 11. PC Card Slot
- 12. Infrared Port
- 13. Quick Launch Buttons
- 14. Volume Down/Up/Mute Buttons



- 1. RJ11 (Modem)
- 2. RJ45 (NIC)
- 3. DC In
- 4. Powered USB for External Multibay

- 5. USB
- 6. VGA Out
- 7. S-Video Out



Overview

What's New

- Intel® Pentium® M Processors
- ATI Mobility Radeon graphics with user selectable 32 or 64-MB DDR SDRAM
- Gigabit Ethernet NIC
- Optional integrated 802.11b and 802.11 a/b wireless LAN modules
- Optional integrated Bluetooth
- Integrated Secure Digital (SD) flash media slot
- Dual pointing devices
- Common Port Replicator and Advanced Port Replicator with Gigabit NIC pass-through.

At A Glance

- Intel Pentium M Processors at 1.3, 1.4, 1.5, or 1.6.-GHz
- 12.1-inch XGA TFT display
- 256-MB DDR SDRAM upgradeable to 1024 MB
- Up to 60-GB 5400rpm, user -removable hard drives.
- Magnesium alloy display enclosure
- Microsoft® Windows® XP Professional, Microsoft Windows 2000 and limited localizations of Windows XP Home Edition preinstalled
- Protected by a Three-year, Worldwide Limited Warranty certain restrictions and exclusions apply. Consult the HP Customer Support Center for details.

What's Special

- Ultra-light weight 3.5 lb/1.59 kg
- Full sized keyboard
- Support for up to two batteries
- 802.11b and 802.11 a/b modules can be upgraded to support the 802.11g standard once ratified
- Dual pointing devices
- Self powered external MultiBay, which provides a cost effective and travel friendly way to access MultiBay drives.
- HP Mobile Printing driver makes on-the-go printing quick and easy



Standard Features

Processors	1.6-GHz Intel Pentium-M Processor with 400-MHz Processor Side Bus and 1024-KB L2 cac	ha
Processors	1.0-CzHz Intel Pentium-M Processor with 400-MHz Processor Side Bus and 1024-KB L2 cac	ne

1.5-GHz Intel Pentium-M Processor with 400-MHz Processor Side Bus and 1024-KB L2 cache

1.4-GHz Intel Pentium-M Processor with 400-MHz Processor Side Bus and 1024-KB L2 cache

Chipset: ATI Radeon IGP 350M with 400-MHz Processor Side Bus

NOTE: Intel Pentium-M Processors support enhanced Intel SpeedStep™ technology. Processor speed denotes maximum

performance mode; processors will run at approximately 600MHz in battery optimization mode.

Display Internal 12.1-inch TFT XGA display with 1024 x 768 resolution up to 16.7 M colors

External Up to 32-bit per pixel color depth

Supports 640 x 480, 800 x 600, 1024 x 768, 1280 x 768, 1280 x 1024, or 1600 x 1200

resolutions up to 100-Hz refresh rate, dependent upon monitor capability, and resolution

and color depth settings

Memory Standard 256-MB 266-MHz SDRAM (256-MB SODIMM in slot 1)

Maximum 1024-MB 266-MHz SDRAM DDR SDRAM (512-MB SODIMMs in slots 1 and 2)

NOTE: 256MB of DDR standard with 32MB of system memory shared as video memory

NOTE: Shared video memory (UMA) uses part of the total system memory for video performance. For example, if there is

256MB of system memory, 32MB will be shared with the video graphics sub-system. The system will have 224MB of

available system memory for other computing activities

NOTE: Due to the non-industry standard nature of some third-party memory modules, we recommend HP branded

memory to ensure compatibility

Communications 10/100/1000 NIC is integrated on the system board

56K (V.92) modem with digital line guard

NOTE: Designed only to allow faster downloads from V.90/V.92 compliant sources. Maximum achievable download

transmission rates currently do not reach 56 KB/s, and will vary with line conditions.

NOTE: Modem availability is subject to country regulatory approval.

Keyboard The 101/102-key desktop compatible keyboard features full size keys, isolated inverted-T cursor control keys, 6 editing keys,

both left and right control and alt keys, and 11 function keys. The US layout has 84 keys and the International layout 85 keys. Other features include 19 mm x 19 mm standard key pitch (center-to-center spacing), 2.5 mm key stroke, 2 Windows keys, comfort-dished keycaps, bright key legends for improved visibility in low light conditions, an integrated numeric

keypad, and hotkeys providing instant access to power conservation, display brightness, and other controls.

Quick Launch Buttons The HP Compaq Business Notebook nc4000 has three Quick Launch buttons designed to provide one-touch access to

commonly used features including QuickLock, Wireless on/off, and presentation mode.

Pointing Device Dual pointing devices (both Point stick and Touchpad)

PC Card Slots One Type II PC Card Slot that supports both 32-bit CardBus and 16-bit PCMCIA Cards

Flash Media Slots One integrated Secure Digital (SD) slot

Standard Features

Storage Diskette Drives Optional Diskette Drive*

Hard Drives 30-GB 4200 rpm SMART

40-GB 5400 rpm SMART 60-GB 5400 rpm SMART

Optical Drives 24X/10X/24X/8X DVD/CD-RW combo Drive *

24X CD-RW Drive* 8X DVD-ROM Drive* 24X CD-ROM Drive*

Flash Media Storage One integrated Secure Digital (SD) slot NOTE: * Requires optional external MultiBay or Advanced Port Replicator

NOTE: The HP nc4000 hard drives are customer removable and will withstand multiple insertion/removal cycles.

Multimedia HP Premier Sound audio

Integrated 16-bit Sound Blaster Pro-compatible audio

Integrated mono speaker and microphone

External volume controls Stereo Headphone-out Microphone in

Software MPEG1 support
DVD movie playback software

8X DVD-ROM Drive with DVD movie playback*

24X DVD/CD-RW Combo Drive*

24X CD-ROM Drive* 4X AGP graphics

NOTE: * Requires optional external MultiBay or Advanced Port Replicator.

Interfaces PC Card Slot One Type II

 External Monitor
 1

 Microphone in
 1

 DC Power
 1

 RJ-11 (modem)
 1

 RJ-45 (NIC)
 1

Infrared Port 1 (4 Mb/s support)

(IrDA 4-MB compliant. IR performance will vary depending on performance of IR

peripherals and application used.)

S-video out connector 1
USB version 2.0 Port 2
Docking Connector 1
Travel Battery Connector 1
LED Status Indicators 7

Graphics ATI Mobility Radeon graphics controller with user selectable 32- or 64-MB DDR SDRAM

4X AGP

Hardware support for DirectX 7.0

NOTE: Shared video memory (UMA) uses part of the total system memory for video performance. For example, if there is 256MB of system memory, 32MB will be shared with the video graphics sub-system. The system will have 224MB of

available system memory for other computing activities

Audio HP Premier Sound 16 bit sound, Line out/headphone and microphone jacks



Standard Features

Operating System One of the following

Microsoft Windows XP Professional Microsoft Windows 2000.

NOTE: Driver support available for Microsoft Windows 98 SE and Microsoft Windows NT 4.0 in June 2003

Software

Preloaded Software

Adobe Acrobat Reader Altiris eXpress™ Client Win32 **HP** Management Agents

HP Quick Launch Button Software

HP Mobile Printing Driver

Intel SpeedStep Technology Applet (Windows 2000 only, built into Windows XP)

HP Help and Support (XP Only) Synaptics Touchpad Driver

WinDVD DVD Player* (for optional DVD and DVD/CDRW drives) (with optional external MultiBay or Advanced Port

Roxio Easy CD Creator* (for optional CDRW and DVD/CDRW drives)(with optional external MultiBay or Advanced Port

NOTE: *For optional CD-RW and DVD/CD-RW drives which are supported in the optional External MultiBay or

Advanced Port Replicator.

System Recovery

Each unit is shipped with a recovery CD kit containing Operating System Recovery and Driver/Application Recovery CDs. These CDs allow users to either recover or repair the notebook operating system and select drivers without losing personal data. The Operating System CD also provides the option of reinstalling the operating system software provided with the notebook. (Note: This option erases the hard disk and restores the base operating system. Drivers and applications are installed using the other CDs provided with the kit.)

Intelligent Manageability Intelligent Manageability, a key component of HP PC Lifecycle Solutions, is the broad set of manageability features found on HP client and server products. The manageability features on PC clients comply with industry standards, such as DMI/, SMBIOS, PXE, and WBEM, while pioneering new ground in client manageability. HP introduced the industry's first line of manageable clients in 1995. With HP's lifecycle management philosophy, enterprises have all of the pieces for end-to-end management and proven tools for hassle-free management of PCs. The combination of these tools significantly lowers the Total Cost of Ownership of managing the computing environment. Intelligent Manageability offers solutions in the areas of Initial Configuration and Deployment, Asset Tracking and Security, Software Updating and Management, and Fault Notification and Recovery. For more information, visit these websites: http://www.hp.com/im;

http://www.hp.com/easydeploy; http://www.hp.com/solutions/pcsolutions

Security

Configuration Control Hardware

Memory Change Alert Ownership Tag Setup Password Power-On Password

DriveLock

Enabled for PC SmartCard options

Kensington Lock Slot

Power Supply

External 65 watt AC adapter, 6-foot/1.8-meter power cord included. Total length including External AC adapter is 12 feet/3.66 meter.

Battery

The HP Compag Business Notebook nc4000 6-cell internal main Lithium-Ion battery provides up to 3 ½ hours of battery

life; up to 7½ hours can be achieved using the optional travel battery.

Battery Re-Charge Time System in OFF mode or Standby 2 hours

System ON (depending on system power consumption) 2-5 hours



Standard Features

NOTE: Actual results may vary with product model, configuration, and individual usage. Hewlett-Packard testing of a HP Compaq Business Notebook nc4000 with an Intel Pentium M 1.4 GHz CPU, Windows XP Pro, 12.1-inch XGA LCD, 256-MB RAM, 60-GB HDD, Lithium-Ion battery, and NIC/modem, achieved an overall Business Winstone 2002 BatteryMark score of 3h 39m Business Winstone® 2002 BatteryMark™ Version 1.0 units. Winstone® is a registered trademark and BatteryMark™ is a trademark of Ziff Davis Publishing Holdings Inc. in the U.S. and other countries. Copyright 2002 Ziff Davis Media Inc. All Rights Reserved. System parameters followed test recommendations: panel brightness 50%, power management scheme - Laptop/Portable, hard drive, standby and video timers set to never.

NOTE: This test was performed without independent verification by eTesting Labs Inc. eTesting Labs Inc. makes no representations or warranties as to the result of the test.. BatteryMark is a trademark of Ziff Davis Publishing Holdings Inc., and affiliate of eTesting Labs Inc., in the U.S. and other countries.

Power Conservation

Supports enhanced Intel SpeedStep Technology (allows a Battery Optimized Mode, Maximum Performance Mode, or

Automatic mode) Hibernation

Instant-on via Standby

Pop-ups with three presets

ACPI compliant

MultiBay Devices

MultiBay devices may be swapped with the system powered on (hot) under Microsoft Windows XP Professional or Windows 2000 (except MultiBay Zip drive or MultiBay secondary hard drive). MultiBay devices can be swapped with system power off under any supported operating system.

NOTE: MultiBay devices can only be utilized with the optional External MultiBay or Advanced Port Replicator

Wireless Devices

The HP Compaq Business Notebook nc4000 is designed to offer a choice of wireless configurations. Bluetooth may be combined with 802.11a/b or 802.11b MiniPCI options on any nc4000 notebook. Both the 802.11a/b and 802.11b MiniPCI options are designed to be compliant with the draft 802.11g specification providing future upgradeability. These wireless LAN options offer a wide range of security features: 802.1x user authentication, hardware based Advanced Encryption Standard, and support for all Cisco infrastructures. The HP nc400 is built with high efficiency dual band antennas that provide maximum range and performance.

Docking

Port Replicator and Advanced Port Replicator. The sleek, new port replicator and advanced port replicator designs provide simple and convenient port management. Features include NIC pass through, USB 2.0, and legacy parallel and serial ports. Compatible across multiple platforms for lower total cost of ownership.

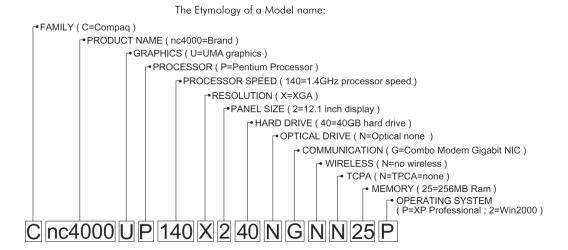
Service and Support

HP Services includes a Three-year, Worldwide Limited Warranty, pick-up or carry-in and toll-free 7 x 24 hardware technical phone support. On-site service or a one-year warranty are also available,

NOTE: Certain restrictions and exclusions apply. Consult the HP Customer Support Center for details. http://wwss1pro.hp.com/support/warranty_upgrades/product_specific_warranty.asp



Standard Features



CNC4000UP140X240NGN25P Processor 1.4-GHz Intel Pentium-M processor with 400-MHz Processor Side Bus

DG244A#ABA

Display 12.1-inch color TFT XGA with 1024 x 768 resolution (up to 16.7M colors internal)

Cache Memory 1024 KB L2 cache

Memory Standard 256-MB 266-MHz DDR SDRAM (256-MB SODIMM in slot 1)

Maximum 1-GB 266-MHz DDR SDRAM (512-MB SODIMM in slots 1 and 2)

Hard Drive 40-GB 5400 rpm SMART Hard Drive

Video Memory 32 MB standard w/256MB or more main memory, configurable up to 64MB.

Optical Drive With optional External MultiBay or Advanced Port Replicator

ATI Mobility Radeon graphics controller with user selectable 32- or 64-MB DDR

SDRAM

Hardware support for DirectX 7.0

4X AGP

Audio HP Premier Sound 16 bit sound, Line out/headphone and microphone jacks

Communications 56K (V.92) modem, integrated 10/100/1000 NIC

Pointing Device Dual pointing devices (both Point stick and Touchpad)

Operating System Microsoft Windows XP Professional

Battery 6-cell Lithium-Ion battery

Dual battery capability with optional travel battery

External 65W adapter

Warranty 3/3/0

Standard Features

CNC4000UP140X240NGN252 Processor 1.4-GHz Intel Pentium-M processor with 400-MHz Processor Side Bus

DG245A#ABA

Display 12.1-inch color TFT XGA with 1024 x 768 resolution (up to 16.7M colors internal)

Cache Memory 1024 KB L2 cache

Memory Standard 256-MB 266-MHz DDR SDRAM (256-MB SODIMM in slot 1)

Maximum 1-GB 266-MHz DDR SDRAM (512-MB SODIMM in slots 1 and 2)

Hard Drive 40-GB 5400 rpm SMART Hard Drive

Video Memory 32 MB standard w/256MB or more main memory, configurable up to 64MB.

Optical Drive With optional External MultiBay or Advanced Port Replicator

ATI Mobility Radeon graphics controller with user selectable 32- or 64-MB DDR

SDRAM

Hardware support for DirectX 7.0

4X AGP

Audio HP Premier Sound 16 bit sound, Line out/headphone and microphone jacks

Communications 56K (V.92) modem, integrated 10/100/1000 NIC

Pointing Device Dual pointing devices (both Point stick and Touchpad)

Operating System Microsoft Windows 2000

Battery 6-cell Lithium-lon battery

Dual battery capability with optional travel battery

External 65W adapter

Warranty 3/3/0

CNC4000UP160X240NGD51P Processor 1.6-GHz Intel Pentium-M processor with 400-MHz Processor Side Bus

DG987A#ABA

Display 12.1-inch color TFT XGA with 1024 x 768 resolution (up to 16.7M colors internal)

Cache Memory 1024 KB L2 cache

Memory Standard 512-MB 266-MHz DDR SDRAM (256-MB SODIMM in slot 1)

Maximum 1-GB 266-MHz DDR SDRAM (512-MB SODIMM in slots 1 and 2)

Hard Drive 40-GB 5400 rpm SMART Hard Drive

Video Memory 32 MB standard w/256MB or more main memory, configurable up to 64MB.

Optical Drive With optional External MultiBay or Advanced Port Replicator

ATI Mobility Radeon graphics controller with user selectable 32- or 64-MB DDR $\,$

SDRAM

Hardware support for DirectX 7.0

4X AGP

Audio HP Premier Sound 16 bit sound, Line out/headphone and microphone jacks

Communications 56K (V.92) modem, integrated 10/100/1000 NIC

Pointing Device Dual pointing devices (both Point stick and Touchpad)

Operating System Microsoft Windows XP Professional

Battery 6-cell Lithium-Ion battery

Dual battery capability with optional travel battery

External 65W adapter

Warranty 3/3/0



Standard Features

CNC4000UP160X240NGD512 Processor 1.6-GHz Intel Pentium-M processor with 400-MHz Processor Side Bus

DG988A#ABA

Display 12.1-inch color TFT XGA with 1024 x 768 resolution (up to 16.7M colors internal)

Cache Memory 1024 KB L2 cache

Memory Standard 512-MB 266-MHz DDR SDRAM (256-MB SODIMM in slot 1)

Maximum 1-GB 266-MHz DDR SDRAM (512-MB SODIMM in slots 1 and 2)

Hard Drive 40-GB 5400 rpm SMART Hard Drive

Video Memory 32 MB standard w/256MB or more main memory, configurable up to 64MB.

Optical Drive With optional External MultiBay or Advanced Port Replicator

ATI Mobility Radeon graphics controller with user selectable 32- or 64-MB DDR

SDRAM

Hardware support for DirectX 7.0

4X AGP

Audio HP Premier Sound 16 bit sound, Line out/headphone and microphone jacks

Communications 56K (V.92) modem, integrated 10/100/1000 NIC

Pointing Device Dual pointing devices (both Point stick and Touchpad)

Operating System Microsoft Windows 2000

Battery 6-cell Lithium-lon battery

Dual battery capability with optional travel battery

External 65W adapter

Warranty 3/3/0

Options

Memory	512-MB 266-MHz DDR Memory Upgrade 256-MB 266-MHz DDR Memory Upgrade	Compaq PN 269087-B25 269086-B25	HP PN
MultiBay Hard Drives	60-GB 5400 rpm SMART Hard Drive	278420-B25	
	40-GB 5400 rpm SMART Hard Drive	263472-B25	
	30-GB 4200 rpm SMART Hard Drive	212791-B25	
MultiBay Storage Devices	24X Combo DVD/CD-RW	269089-B25	
	24X CD-RW		DC921A
	8X DVD Drive	138230-B25	
	24X Max CD-ROM	298452-B25	
	Diskette Drive	226935-B25	
Other Storage Devices	IBM 1-GB Microdrive (PC card Device)	217390-B25	
3	USB Diskette Drive	230330-B25	
Expansion Bases	Port Replicator	307648-002	
Expansion bases	Advanced Port Replicator	307651-002	
	External MultiBay	307031-002	DC373A#ABA
	Advanced Port Replicator Monitor Stand	274407-B25	DC3/3A#ADA
Power	6-cell Travel Battery		DD880A
Common Power Solutions	External Battery Charger (single)		DF933A#ABA
Common rower colonors	External Battery Charger (multiple)	265604-001	D1 700/(///ID/(
	AC Adapter 65W	265602-001	
	Auto Adapter 90W	203002 001	DC303A
	Aircraft Power Adapter	291370-B25	Deddon
Input Devices	External Enhanced III Keyboard (carbon) USB/PS2 Keyboard	118003-009	
input Devices	HP 2 Button Mouse (carbon) USB/PS2 Keyboard 2-button scroll	103180-B22	
	External 10-Key Numeric Keypad (carbon)	294317-B21	
Security	Biometric PC Card	146805-B25	
Cocomy	Security Cable Lock	294316-B21	
	HP Smart Card PC Card Reader	135646-B25	
Carrying Cases	HP Ultra light Case (nylon)	167336-B21	
	Top Load Leather	10,000 021	DC917A
	Executive Nylon		DC916A
			20,13/(





Memory

HP Compaq Business Notebook nc4000 Ultraportable

Standard Memory Plus Optional Memory

Support for up to 1024 MB of DDR SDRAM memory is available with the installation of optional DDR SDRAM Memory Kits.

0-MB of memory on system board

2 Slots total

1-256-MB DIMM installed in Slot 1

1-Additional open Memory Slot

· · · · · · · · · · · · · · · · · · ·		
Memory	Slot 1	Slot 2
	256 MB	Empty

Standard Memory with Optional Memory Upgrades

Support for up to 1024-MB of SDRAM is available with the installation of optional SDRAM Memory Upgrades.

Up to	Slot 1	Slot 2
256 MB	256 MB	Empty
512 MB	256 MB	256 MB
768 MB	256 MB	512 MB
1024 MB	512 MB	512 MB

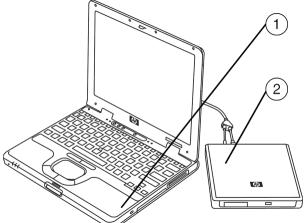
NOTE: This chart does not represent all possible memory configurations. Due to the non industry standard nature of some third-party memory modules, we strongly recommend using only HP branded memory modules to ensure compatibility.

Following are memory options available from HP:

	Compaq PN	HP PN
512-MB 266-MHz DDR Memory Upgrade	269087-B25	DC390A
256-MB 266-MHz DDR Memory Upgrade	269086-B25	DC390A

NOTE: Due to the non-industry standard nature of some third-party memory modules, we strongly recommend using only HP branded memory modules to ensure compatibility.

Storage



- 1. Hard Drive
- 2. Optional External MultiBay

Drive Support

System Drive Support

Hard Drives

30-GB SMART Hard Drive	Up to 1	Hard Drive Bay
40-GB SMART Hard Drive	Up to 1	Hard Drive Bay
60-GB SMART Hard Drive	Up to 1	Hard Drive Bay

External MultiBay Drive Support

Removable Media	Quantity Supported	Drive Bay Supported
1.44-MB Diskette Drive	Up to 1	External MultiBay
CD-RW Drive	Up to 1	External MultiBay
DVD-ROM Drive	Up to 1	External MultiBay
CD-ROM Drive	Up to 1	External MultiBay
DVD/CD-RW Combo Drive	Up to 1	External MultiBay
Secondary Hard Drives		
60-GB SMART Hard Drive	Up to 1	External MultiBay
40-GB SMART Hard Drive	Up to 1	External MultiBay
30-GB SMART Hard Drive	Up to 1	External MultiBay



TechSpecs

System Unit	Dimensions (HxWxD)	12.1-inch TFT panel display	1.1 x 11 x 9.2 in (2.79 x 27.94 x 23.37cm)
	\\/a:=b.	2 5 lb /1 50 lcs\	

Weight 3.5 lb (1.58 kg)

NOTE: * Height varies depending upon where on the notebook the measurement is made. Weight varies by configuration and components.

Stand-Alone Power Nominal Operating Voltage 14.8 VDC

Requirements (Li-Ion)

Max Operating Power 40W
Peak Operating Power 50W

Temperature Operating 50° to 95° F (10° to 35° C)

Non-operating 14° to 140° F (–10° to 60° C)

Relative Humidity Operating 10% to 90% relative humidity, non-condensing

Non-operating 5% to 90% relative humidity, 101.6° F (38.7° C)

Maximum wetbulb temperature

Shock Operating 40 G, 2 ms, half-sine

Non-operating 240 G, 2 ms, half-sine

Vibration Operating 0.5 G zero-to-peak, 10 to 500 Hz, 0.25 oct/min sweep

rate

Non-operating 1.0 G, zero-to-peak, 10 to 500 Hz, 0.5 oct/min sweep

rate

No

 Maximum Altitude
 Operating
 0 to 10,000 ft (0 to 3,048 m)

 (unpressurized)
 Non-operating
 0 to 30,000 ft (0 to 9,144 m)

Industry StandardBlue AngelCertificationsUL

UL Yes
CSA Yes
VDE/TUV Yes
Nordic Safety Yes
Mexican Safety Yes
Poland Compliance Yes

External AC Adapter Weight 0.65 lb (0.29 kg) (adapter)

0.29 lb (0.13 kg) (power cord)

Power Supply (Input) Operating Voltage 90 to 264 VAC RMS

Operating Current 1.6 A RMS

Operating Frequency Range 47 to 63 Hz AC

Maximum Transient 4/50 kV

TechSpecs

Primary Lithium-Ion **Battery Pack**

Dimensions $(H \times W \times L)$ 0.9 x 2.48 x 8.15 in (2.3 x 6.3 x 20.7 cm)

Weight 0.62 lb (0.28 kg) Cells/Type 6-cell Lithium-Ion

Voltage 11.1 V Energy

> 3.96 Ah Amp-hour capacity 40Wh Watt-hour capacity

Temperature Operating 41° to 113° F (5° to 45° C)

> -4° to 140° F (-20° to 60° C) Non-operating

Battery Re-Charge Time System in OFF mode or 2-3 hours

Standby

System ON (depending on 2-5 hours

system power consumption)

Lithium-Ion Travel Battery Dimensions (H x W x L) Pack

0.9 x 2.48 x 8.15 in (2.3 x 6.3 x 20.7 cm)

Weight (includes caddy) Cells/Type

0.86 lb (.39 kg) 6-cell Lithium-Ion

Energy

Voltage 11.1 V

Amp-hour capacity 3.96 Ah

40Wh Watt-hour capacity

41° to 113° F (5° to 45° C) **Temperature** Operating

> -4° to 140° F (-20° to 60° C) Non-operating

> > 2-3 hours

2-5 hours

Battery Re-Charge Time System in OFF mode or

Standby

System ON (depending on

system power consumption)

12.1-Inch Color TFT XGA Display

Dimensions $(H \times W \times L)$

10.3 x 7.8 in (26.1 x 19.9 cm)

Diagonal Size 12.1 in (30.7 cm)

Mounting Internal Number of Colors 16 M Contrast Ratio 125:1 Refresh Rate 60 Hz Brightness 130 nit typical

Pixel Resolution Pitch 0.264 x 0.264 mm

> 1024 x 768 **Format RGB** Stripe Configuration

Backlight CCFT Character Display 80 x 25 Total Power Consumption 4 W

Viewing Angle +/-35° degrees Horizontal, +15°/-35° Vertical (typical)

Hard Drives



TechSpecs

60-GB 5400 rpm	MultiBay Drive Adapter	Dimensions (H x W x D) Weight	1.27 x 13.25 x 12.61 cm (0.5 x 5.21 x 4.97 in) 0.15 lb (70 g)
	Drive Weight	0.21 lb (99 g)	
	Capacity	60 GB	
	Height	0.74 in (9.5 mm)	
	Width	2.75 in (70 mm)	
	Interface	ATA-5	
	Transfer Rate	Synchronous (maximum)	100 MB/s (Drive Capability)
		Security	ATA Security
	Seek Time	Single Track	3 ms
	(typical reads, including	Average	13 ms
	settling)	Maximum	24 ms
	Rotational Speed	5400 rpm	
	Logical Blocks	117,210,240	
	Operating Temperature	41° to 131° F (5° to 55° C)	
	Features	Security	ATA Security
40-GB 5400 rpm	MultiBay Drive Adapter	Dimensions (H x W x D)	1.27 x 13.25 x 12.61 cm (0.5 x 5.21 x 4.97 in)
40-GB 5400 rpm	MultiBay Drive Adapter	Dimensions (H x W x D) Weight	1.27 x 13.25 x 12.61 cm (0.5 x 5.21 x 4.97 in) 0.15 lb (70 g)
40-GB 5400 rpm	·	Weight	1.27 x 13.25 x 12.61 cm (0.5 x 5.21 x 4.97 in) 0.15 lb (70 g)
40-GB 5400 rpm	Drive Weight		
40-GB 5400 rpm	Drive Weight Capacity	Weight 0.21 lb (99 g) 40 GB	
40-GB 5400 rpm	Drive Weight	Weight 0.21 lb (99 g) 40 GB 0.74 in (9.5 mm)	
40-GB 5400 rpm	Drive Weight Capacity Height	Weight 0.21 lb (99 g) 40 GB	
40-GB 5400 rpm	Drive Weight Capacity Height Width	Weight 0.21 lb (99 g) 40 GB 0.74 in (9.5 mm) 2.75 in (70 mm)	
40-GB 5400 rpm	Drive Weight Capacity Height Width Interface	Weight 0.21 lb (99 g) 40 GB 0.74 in (9.5 mm) 2.75 in (70 mm) ATA-5	0.15 lb (70 g)
40-GB 5400 rpm	Drive Weight Capacity Height Width Interface	Weight 0.21 lb (99 g) 40 GB 0.74 in (9.5 mm) 2.75 in (70 mm) ATA-5 Synchronous (maximum)	0.15 lb (70 g) 100 MB/s (Drive Capability)
40-GB 5400 rpm	Drive Weight Capacity Height Width Interface Transfer Rate Seek Time (typical reads, including	Weight 0.21 lb (99 g) 40 GB 0.74 in (9.5 mm) 2.75 in (70 mm) ATA-5 Synchronous (maximum) Security	0.15 lb (70 g) 100 MB/s (Drive Capability) ATA Security
40-GB 5400 rpm	Drive Weight Capacity Height Width Interface Transfer Rate Seek Time	Weight 0.21 lb (99 g) 40 GB 0.74 in (9.5 mm) 2.75 in (70 mm) ATA-5 Synchronous (maximum) Security Single Track	0.15 lb (70 g) 100 MB/s (Drive Capability) ATA Security 3 ms
40-GB 5400 rpm	Drive Weight Capacity Height Width Interface Transfer Rate Seek Time (typical reads, including	Weight 0.21 lb (99 g) 40 GB 0.74 in (9.5 mm) 2.75 in (70 mm) ATA-5 Synchronous (maximum) Security Single Track Average	0.15 lb (70 g) 100 MB/s (Drive Capability) ATA Security 3 ms 13 ms
40-GB 5400 rpm	Drive Weight Capacity Height Width Interface Transfer Rate Seek Time (typical reads, including settling)	Weight 0.21 lb (99 g) 40 GB 0.74 in (9.5 mm) 2.75 in (70 mm) ATA-5 Synchronous (maximum) Security Single Track Average Maximum	0.15 lb (70 g) 100 MB/s (Drive Capability) ATA Security 3 ms 13 ms
40-GB 5400 rpm	Drive Weight Capacity Height Width Interface Transfer Rate Seek Time (typical reads, including settling) Rotational Speed	Weight 0.21 lb (99 g) 40 GB 0.74 in (9.5 mm) 2.75 in (70 mm) ATA-5 Synchronous (maximum) Security Single Track Average Maximum 5400 rpm	0.15 lb (70 g) 100 MB/s (Drive Capability) ATA Security 3 ms 13 ms

TechSpecs

30-GB 4200 rpm	MultiBay Drive Adapter	Dimensions (H x W x D)	1.27 x 13.25 x 12.61 cm (0.5 x 5.21 x 4.97 in)
		Weight	0.15 lb (70 g)
	Drive Weight	0.22 lb (99 g)	
	Capacity	30 GB	
	Height	0.74 in (9.5 mm)	
	Width	2.75 in (70 mm)	
	Interface	ATA-5	
	Transfer Rate	Synchronous (maximum)	100 MB/s (Drive Capability)
		Security	ATA Security
	Seek Time	Single Track	3 ms
	(typical reads, including	Average	13 ms
	settling)	Maximum	24 ms
	Rotational Speed	4200 rpm	
	Logical Blocks	58,605,120	
	Operating Temperature	41° to 131° F (5° to 55° C)	
	Features	Security	ATA Security
24X/10X/24X/8X DVD/CD-	- MultiBav Drive	Dimensions (H x W x D)	0.5 x 5.21 x 4.97 in (1.27 x 13.25 x 12.61 cm)
RW Combo Drive		Weight	0.74 lb (0.33 kg)
	Center Hole Diameter	39 cm	5,7 1.12 (5.55 kg)
	Disk Diameter	12 cm/8 cm	
	Disk Thickness	1.2 mm	
	Track Pitch	0.74 μm	
	Access Times	Random CD	< 150 ms
	(typical reads, including settling)	Full-Stroke CD	< 225 ms
	Audio Output Level	Line-out	0.7 Vrms
	Cache Buffer	128 KB/s (minimum)	
	Data Transfer Rate	CD-R (24X)	3600 KB/s (150 KB/s at 1X CD rate)
	(typical, including settling)	CD-RW (10X)	1500 KB/s (150 KB/s at 1X CD rate)
		CD-ROM (24X)	3600 KB/s (150 KB/s at 1X CD rate)
		DVD (8X)	10,800 KB/s (1352 KB/s at 1X DVD rate)
		Normal PIO Mode 4 (single burst)	16.6 MB/s
	Start-up Time	< 15 seconds	
	· ·-	•	

Stop Time

< 6 seconds

TechSpecs

24X CD-RW Drive	MultiBay Drive	Dimensions (H x W x D)	0.5 x 5.21 x 4.97 in (1.27 x 13.25 x 12.61 cm)
		Weight	0.74 lb (0.33 kg)
	Center Hole Diameter	1.5 cm	
	Disk Diameter	12 cm/8 cm	
	Disk Thickness	1.2 mm	
	Track Pitch	0.74 μ m	
	Access Times	Random CD	< 150 ms
	(typical reads, including settling)	Full-Stroke CD	< 225 ms
	Audio Output Level	Line-out	0.7 Vrms
	Cache Buffer	128 KB/s (minimum)	
	Data Transfer Rate	CD-R (24X)	3600 KB/s
	(typical, including settling)	CD-RW (10X)	1500 KB/s
		CD-ROM (24X)	3600 KB/s
		Normal PIO Mode 4 (single burst)	16.6 MB/s
	Start-up Time	< 15 seconds	
	Stop Time	< 6 seconds	
8X DVD-ROM Drive	MultiBay Drive	Dimensions (H x W x D)	0.5 x 5.21 x 4.97 in (1.27 x 13.25 x 12.61 cm)
	,	Weight	0.74 lb (0.33 kg)
	Center Hole Diameter	1.5 cm	,
	Disk Diameter	12 cm/8 cm	
	Disk Thickness	1.2 mm	
	Track Pitch	0.74 μm	
	Access Times	Random (typical)	< 150 ms DVD Media
	(typical reads, including	Full-Stroke (typical)	< 225 ms DVD Media
	settling)	Random (typical)	< 110 ms CD Media
		Full-Stroke (typical)	< 200 ms CD Media
	Cache Buffer	512 KB/s (minimum)	
	Cache Buffer Data Transfer Rate	****	3600 KB/s (150 KB/s at 1X CD rate)
		512 KB/s (minimum)	3600 KB/s (150 KB/s at 1X CD rate) 10,800 KB/s (1352 KB/s at 1X DVD rate)
	Data Transfer Rate	512 KB/s (minimum) Max 24X CD	
	Data Transfer Rate	512 KB/s (minimum) Max 24X CD Max 8X DVD Normal PIO Mode 4	10,800 KB/s (1352 KB/s at 1X DVD rate)

TechSpecs

24X CD-ROM Drive MultiBay Drive Dimensions (H x W x D) 0.5 x 5.21 x 4.97 in (1.27 x 13.25 x 12.61 cm)

Weight 0.50 lb (0.22 kg)

Applicable Disk CD-ROM (Mode 1, 2 and 3), CD-XA ready (Mode 2, Form 1 and 2), CD-I ready (Mode 2,

Form 1 and 2), CD-R (read only), CD Plus, Photo CD (Single and Multi-session), CD-

Extra, Video CD, CD-WO (fixed packets only), CD-Bridge

 Center Hole Diameter
 15 mm

 Disk Diameter
 12 cm/8 cm

 Disk Thickness
 1.2 mm

 Track Pitch
 1.6 μm

Access Times Random < 150 ms (typical reads, including settling) Full-Stroke < 300 ms

Audio Output Level Line-out 0.7 Vrms

Cache Buffer 128 KB

Data Transfer Rate Sustained (16X) 2400 KB/s

(typical, including settling) Variable 1500 to 3600 KB/s (10X to 24X)

Normal PIO Mode 4 16.66 MB/s (single burst)

Start-up Time < 8 seconds
Stop Time < 4 seconds

MultiBay Diskette Drive MultiBay Drive Dimensions (H x W x D) 0.5 x 5.21 x 4.97 in

(1.27 x 13.25 x 12.61 cm)

Weight 0.51 lb (230 g)

 Diskette Size
 3.5 in

 Height
 12.7 mm

 Bytes per Sector
 512

Sectors per track High density 18 (1.44 MB)/15 (1.2 MB)

Low density

Tracks per side High density 80 (1.44 MB)/80 (1.2 MB)

Low density 80

Read/Write heads 2

Access Times Track-to track (high/low) 3 ms/6 ms
Average (high/low) 94 ms/174 ms

Average (high/low) 94 ms/1/4
Settling time 15 ms
Latency average 100 ms

Audio

Hardware Implementation AC97 CODEC

Audio Signal Link to CPU Audio CODEC (AC) link

Full Duplex Yes

Stereo Inputs Line In - 20K Impedance (with Port Replicator only)

Mono Inputs Microphone - 20K Imped

Stereo Outputs Headphone jack, S/PDIF from Port Replicator only



TechSpecs

NIC

Audio Output Quality Frequency Response 20 Hz - 20 kHz

Signal to Noise Ratio >94dB

Total Harmonic Distortion 0.01%

Noise Floor -120dB

Play/Record Sampling

Rate(s)

7 kHz - 48 kHz

AD/DA Resolution 16 bit

Mono Speaker Amplifier Power 2-Watts RMS
Speaker Impedance 4-Ohms

Speaker Impedance 4-Ohms

Integrated 10/100/1000 Ethernet Features 10 Mbit/s operation (10BASE-T; IEEE 802.3 i; IEEE 802.3 clauses 13-14)

100 Mbit/s operation (100BASE-TX; IEEE 802.3u; IEEE 802.3 clauses 21-30)

1000 Mbit/s operation (1000BASE-T; IEEE 802.3z and 802.3ab; IEEE 802.3 clauses 34-

42)

Auto-Negotiation (Automatic Speed Selection)

Full Duplex Operation at all Speeds, Half Duplex operation at 10 and 100 Mbit/s

IEEE 802.1p QoS (Quality of Service) Support

IEEE 802.3x Flow Control (IEEE 802.3 clauses 31-32; configurable)

Power Management ACPI 1.1a compliant -- multiple power modes

Situation-sensitive features reduce power consumption

NIC Battery Saving Mode (enabled by default)

Performance Features TCP / IP / UDP Checksum Offload (configurable)

Microsoft Large Send Offload (configurable)

TCP Segmentation Offload

CPU Task Offload Adaptive Interrupts

Manageability Wake-on-LAN from all Power-Managed States (configurable; Magic Packet and Microsoft

Wake-Up Frame) PXE 2.0 Remote Boot

Statistics Gathering (SNMP MIB II, Ethernet-like MIB, Ethernet MIB (802.3x, clause 30))

Comprehensive diagnostic and configuration software suite

Cable Analyzer

NIC Device Driver Name

Broadcom NetXtreme Gigabit Ethernet

Drivers Available Windows XP

Windows 2000 Windows NT 4.0 Windows 98

Linux kernel versions 2.2 and 2.4



TechSpecs

Agere Systems AC'97 Modem

Form Factor MDC

Windows XP (Home, Professional), Microsoft Windows 2000, Microsoft Windows 98 (Gold, OS Support

(with all released Service Packs) SE), Windows NT 4.0, DOS Application Support under Windows

Power Management

Support

APM Revision 1.2, ACPI

UL, CSA, NEMKO, CCIB, Industry Canada, FCC Part 68, CTR21, FCC Part 15 Class B, Approvals/ Certifications Canadian ICES-003 Class B, C.I.S.P.R.22, Australian ACA, CE Mark, Other Countries

Modem Device Driver

Name

Agere Systems AC'97 Modem

Data Mode Capabilities V.90/V.92 (a-law, mu-law)

> V.8bis V.80

V.44, V.42bis, MNP5 (Compression) V.42 (LAPM, MNP2-4) (Error Correction)

V.34 (file date: 10/96) Optional symbol rates:

2800, 3429

Asymmetric Symbol rates

Synchronous primary channel data signaling rates:

3600, 31200

Automatic rate re-negotiation

V.32bis V.32 V 23 V.22bis V.22 V.21 Bell 212A

Bell 103J (300 bps)

Fax Mode Capabilities TIA/EIA-578-B (Class 1)

T.30, T.4 (Group 3)

V.17 V.29 V.27ter

V.21 Channel 2

V.250 (Partial) Command Set

TIA-602

Identification: +GMI, +GMM, +GMR Port control: +IPR, +ICF, +IFC, + Irr Modulation: +MS, +MR, +MA

Error control: +ES, +ER, +EB, +ESR, +ETBM

Data compression: +DS, +DR

V.251

HP Integrated Wireless LAN Mini PCI 802.11a/b W500

Form Factor MiniPCI Type III Weight 100 Grams (max)

14° to 149° F (-10° to 65° C) Operating Temperature Operating Storage Temperature -40° to 176° F (-40° to 80° C) Non-operating

Humidity Operating 10 to 90%

> Non-operating 5 to 95%

Altitude 0 to 15,000 ft (4,572 m) Operating 0 to 40,000 ft (12,192 m) Non-operating

RF Network Standard EEE 802 Part 11a (802.11a) IEEE 802. Part 11b (802.11b)



TechSpecs

Compliant with draft 802.11g*

NOTE: *Driver/Firmware update is expected 4Q03. User can download update from the

HP website.

4.9 -4.95 GHz (New Japan Limits Pending) Frequency Band

> 5.15 - 5.25 GHz, U-NII Lower Band (Japan/USA/Canada) 5.25 - 5.35 GHz, U-NII Middle Band (USA/Canada/Europe)

5.45 - 5.725 GHz (Europe)

5.725 - 5.825 GHz, U-NII Upper Band (USA/Canada)

5.825 - 5.850 GHz (USA)

2.4000 to 2.497 GHz (2.4 GHz ISM Band)

Number of Selectable Sub-channels

Worldwide Certification - 802,11a/b

802.11a = 45 non overlapping channels Japan (JP)

802.11b = 14 channels, 3 non-overlapping

802.11a = 19 non-overlapping channels Europe

802.11b = 13 channels, 3 non-overlapping

United States (FCC) 802.11a = 12 non-overlapping channels

802.11b = 11 channels, 3 non-overlapping

Data Rates 802.11a: 6, 9, 12, 24, 36, 48, 54Mbps

802.11b: 1, 2, 5.5, 11 Mbps

Antenna type Internal (with spatial pattern and polarization diversity)

Antenna Polarization Linear Antenna Efficiency 65% +/- 10%

Configuration Utility Choice of Configuration Utility:

> Single Configuration Utility for all Operating Systems (works with Cisco Infrastructure)

Windows XP Zero Configuration Utility

Roaming IEEE 802.11 compliant roaming between 802.11a and 802.11b access points

Module checks signal strength, packet error rates and latency to automatically connect to

the access point offering the best throughput.

Security 64 bit encryption keys compliant to IEEE 802.11 Standard

128 bit encryption key compliant to WiFi Standard

Advanced Encryption Standard (AES) Support in Hardware

Ability to function in an 802.1x security environment using:

• Microsoft 802.1x client; supports EAP-TLS, PEAP on XP and 2K.

Approved Cisco Compatibility Extension Product (*); Support via Single Configuration Utility; support for LEAP and CKIP

EAP-TTLS support via web release with Odyssey Client Utility available on the web

Supports for TKIP (Temporal Key Integrity Protocol)

(*)Cisco Compatibility Extension Program: The Cisco Compatible Extensions program ensures proven interoperability with Cisco wireless LAN infrastructure products.

Network Architecture

Models

Ad-hoc (Peer to Peer)

Infrastructure (Access Point Required) Modulation Technique Direct Sequence Spread Spectrum

DBPSK, DQPSK, CCK, OFDM

Receiver Sensitivity - Bit

Error Rate (1E-5)

54 Mbps: -73 dBm to 1 Mbps: -94 dbm



TechSpecs

Maximum Receive Level 802.11a: -30 dBm (with PER < 8%)

802.11b: -4 dBm (with PER <8%)

Output Power

(approximately)

18 dBM +/-2 dB

Image Rejection 60 dB (with PER <8%) IF Rejection 100 dB (with PER < 8%) Operating Voltage 5 V power operation

Power Management Wireless Button Power On/Off control Power Consumption Transmit State – 2.0 Watts (Max) Receive State - 1.5 Watts (Max)

802.11 Power save Mode State – 0.75 Watts (Max)

Standby State – 20 mwatts (Max)

802.11 Compliant Power Saving Power Management

Power Saving Mode selectable through the configuration utility

ACPI compliant power management

CSMA/CA (Collision Avoidance) with ACK Media Access Protocol

Microsoft Windows 2000 **OS Support**

Microsoft Windows XP Home and Pro

LED Activity LED Off - Radio OFF

> Solid LED - ON LED Off - Power Off

Throughput, Data Rate and Operating Distance Operating Distance

802.11a - Typical 1000 feet – Outdoors Open Area 300 feet - Indoor, Office environment

802.11 b - Typical 1200 feet – Outdoor Open Area

300 feet - Indoor, Office environment

TechSpecs

HP Integrated Wireless LAN Mini PCI 802.11b W400 Form Factor MiniPCI Type III
Weight 100 Grams (max)

Operating TemperatureOperating 14° to 149° F (-10° to 65° C)Storage TemperatureNon-operating -40° to 176° F (-40° to 80° C)

Humidity Operating 10 to 90%

Non-operating

Altitude Operating 0 to 15,000 ft (4,572 m)

Non-operating 0 to 40,000 ft (12,192 m)

RF Network Standard IEEE 802. Part 11b (802.11b)
Compliant with draft 802.11g*

NOTE: *Driver/Firmware update is expected 4Q03. User can download update from the

Worldwide Certification - 802,11b

5 to 95%

HP website

Frequency Band 2.4000 to 2.497 GHz (2.4 GHz ISM Band)

Number of Selectable
Sub-channels
Lipited States (ECC

United States (FCC) - 11 Channels, 3 non-overlapping

Japan (JP) – 14 Channels, 3 non-overlapping Europe – 13 Channels, 3 non-overlapping 802.11a: 6, 9, 12, 24, 36, 48, 54Mbps

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Network Architecture

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Ad-hoc (Peer to Peer)

Infrastructure (Access Point Required)

Modulation Technique Direct Sequence Spread Spectrum

DBPSK, DQPSK, CCK, OFDM

Receiver Sensitivity - Bit

Error Rate (1E-5)

54 Mbps: -73 dBm to 1 Mbps: -94 dbm

Bluetooth by HP Form Factor Integrated USB module

Bluetooth 1.1 Compliant



TechSpecs

Dimensions 1.02 x 0.55 x 0.22 in (26 x 14 x 5.7 mm)

Temperature Operating -4° to 158° F (-20° to 70° C)

Non-operating -40° to 176° F (-40° to 80° C)

Humidity 10 to 90% operating

5 to 95% non operating

Altitude Operating 15,000 ft (4572 m)

Non-operating 40,000 ft (12192 m)

Plug and Play USB 1.1 compliant

Microsoft Windows Plug and Play compliant

Frequency Band 2402 to 2480 MHz

Number of Available

Channels

79 (1 MHz) available channels

Data Rates and 1 Mbps

throughput Synchronous Connection Oriented links up to 3, 64 kbps, voice channels

Asynchronous Connection Less links 723.2 kbps/57.6 kbps asymmetric or 433.9 kbps

symmetric

Antenna type Internally integrated within module

Range 33 ft (10 m)

OS Support Microsoft Windows XP Professional and Home

Microsoft Windows 2000

Software Stack Supported User may choose:

Microsoft User Interface (Profiles supported: HID, DUN, HCRP)

Widcomm User Interface (see profile support below)

Profile Support General Access Profile

Service Discovery Application Profile

Serial Port Profile

Generic Object Exchange Profile

File Transfer Profile Synchronization Profile Dial-Up Networking Profile LAN Access Profile Object Push Profile

Hard Copy Cable Replacement Profile Personal Area Networking Profile Human Interface Device Profile

Usage Models Service Discovery (determine what Bluetooth devices are within range and support

authorization)

Synchronization: PDAs to PCs Portable to Desktop

File Transfer:

File and directory browsing and navigation on another Bluetooth device.

File copying

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

Wireless link to Corporate LAN using several Bluetooth devices sharing the same

Access Point:

Corporate email, network neighborhood, access to LAN applications, file transfer, ftp,

Internet browsing, etc, using TCP/IP Wireless link to WAN thru cell phone Agnostic to WAN technology Send/receive SMS messages

Send/receive SMS messages Wireless link to Printer

Adhoc peer to peer networking (two computers) or Personal Area Networking (PAN) using

NDIS (< 7 computers)

Adhoc Bluetooth Pico-networking (point to multi-point) Object Push – Business card or appointment exchange



TechSpecs

Human Interface Devices

Wirelessly interface to notebook with mouse, keyboard, etc

Printing

Wirelessly print to Bluetooth enabled printers

Transmit Power -6dBm to 4 dBm (Bluetooth Class II)

Receive Sensitivity

Better than -80 dBM at 0.1 % raw bit error rate

Link Topology

Point to Point, Multipoint Pico Nets up to 7 slaves

Security Full support of Bluetooth Security Provisions

Network Architecture Ad-hoc (Peer to Peer)

Models Infrastructure (Access Points Required)

 Power Requirement
 Peak
 < 270 mW</th>

 Power Management
 Microsoft Windows ACPI, and USB Bus Support

Wireless EAB On/Off Software On/Off control

Self configurable to optimize power conservation in all operating modes, including

Standby, Hold, Park, and Sniff

Protocols Supported TCP/IP

IPX/SPX UDP

LED Activity Solid Blue LED – On

LED Off - Power Off

Certifications All necessary regulatory approvals for countries we support including

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

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