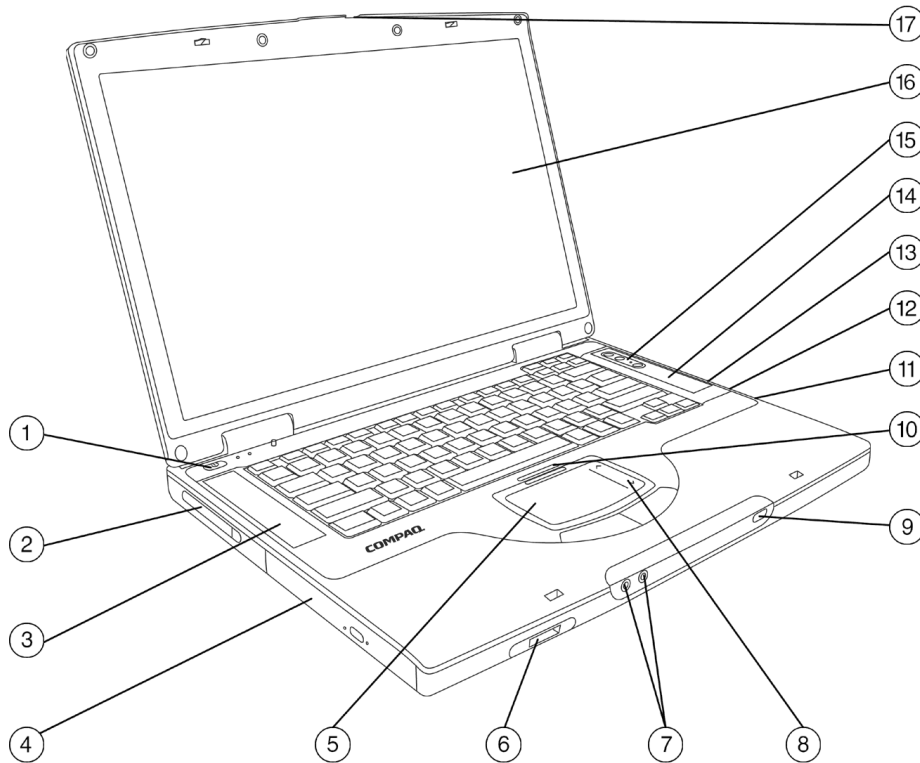


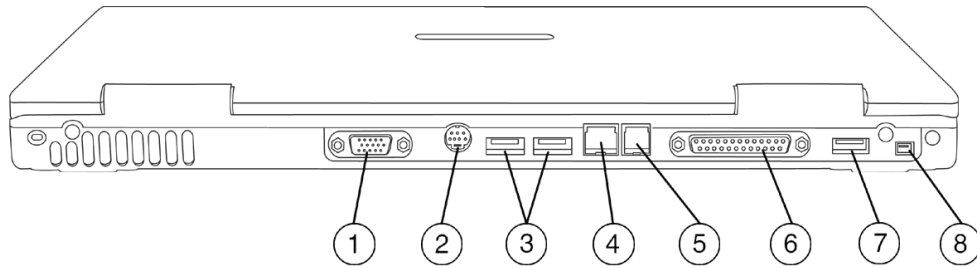
Overview

HP Compaq Business Notebook nx7010 thin and light, widescreen



1. Power Button
2. PC Card Slot
3. Left Speaker
4. Optical Disk Drive
5. Touch Pad with dedicated scroll
6. SD Card Slot
7. Headphone and microphone in/out ports
8. Dedicated scroll (from #5)
9. Wireless on/off switch

10. Touchpad on/off switch
11. Fast IR
12. Power connector
13. Kensington Lock
14. Right Speaker
15. Volume Controls
16. 15.4-inch Wide Display
17. Display Lid Latch



- | | |
|-----------------------|----------------------|
| 1. VGA Port | 5. RJ-11 port |
| 2. S-Video port | 6. Parallel port |
| 3. (2 of 3) USB ports | 7. (1 of 3) USB port |
| 4. RJ-45 port | 8. 1394 |

What's New

- ? Thin and light, widescreen
- ? Centrino Technology
- ? Intel® Pentium® M processors - up to 1.7 GHz
- ? 333MHz DDR SDRAM memory
- ? 400-MHz Front side bus
- ? Integrated Secure Digital (SD) flash media slot
- ? Touchpad with dedicated On/Off button and dedicated scroll

At A Glance

- ? Centrino Technology
- ? Intel Pentium M processors - up to 1.7 GHz
- ? Intel 855PM Chipset
- ? Intel PRO/Wireless 2100 network connection
- ? Integrated 10/100 NIC
- ? Integrated Bluetooth
- ? 15.4-inch WSXGA+ display
- ? ATI Mobility Radeon 9200 Graphics with 64MB DDR SDRAM
- ? Choice of DVD+RW or DVD/CD-RW optical drive
- ? As light as 2.948 kg weight, 3.45 cm thin
- ? 512MB DDR SDRAM (333MHz). 2 SODIMM slots available, upgradeable to 2 GB
- ? Up to 80GB 5400 rpm hard drive
- ? Full-size keyboard
- ? Three (3) USB 2.0
- ? Microsoft Windows Professional
- ? **NOTE:** [Microsoft Windows 2000 Driver support via web.](#)
- ? Includes a One-year, Worldwide Warranty. Certain restrictions and exclusions apply. Consult the HP Customer Support Centre for details.

What's Special

- ? Thin and Wide design with 15.4-inch widescreen!
- ? Intel Centrino Technology
- ? Performance graphics - ATI Mobility Radeon 9200 with dedicated 64MB DDR SDRAM

Standard Features

Processors and Chipset 1.7GHz on Intel Pentium M processor with 400MHz Front Side Bus and 1MB L2 cache
One of the following: 1.6GHz on Intel Pentium M processor with 400MHz Front Side Bus and 1MB L2 cache
Chipset: Intel 855PM
NOTE: Pentium M processors support enhanced Intel SpeedStep™ technology.

Panel

Internal Support	15.4-inch colour TFT WSXGA+ with 1680 x 1050 resolution (up to 16.7M colours internal)
External Support	Up to 32-bit per pixel colour depth Supports external VGA display: 640x480, 800x600, 1024x768, 1152x864, 1280x800, 1280x1024, 1680x1050, 1600x1200, 1792x1344, 1800x1440, 1920x1200, 1920x1440, 2048x1536 resolutions up to 160-Hz refresh rate, dependent upon monitor capability, resolution and colour depth settings.

Memory

Standard/Maximum	512MB (333MHz) DDR SDRAM (512MB SODIMM in slot 1) 2048MB (333MHz) DDR SDRAM (1024 MB SODIMMs in slots 1 and 2)
------------------	---

NOTE: Due to the non-industry standard nature of some third-party memory modules, we recommend HP branded memory to ensure compatibility.
NOTE: 2 memory slots user accessible-one on the base, one underneath the keyboard deck.

Communications

Integrated 10/100 NIC
56K (V.92) modem

NOTE: Designed only to allow faster downloads from 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

Wireless Devices

Integrated wireless LAN - Wi-Fi certified and with Cisco Compatible Extensions support
Intel PRO/Wireless 2100 (802.11b) network connection - Intel Centrino mobile technology, up to 11mbps throughput performance.

Integrated Bluetooth - designed to the Bluetooth v1.1 specification
NOTE: Wireless On/Off button – required by the FAA is located on front of unit

Keyboard

The 101/102-key compatible keyboard features an industry standard, full-width layout with desktop keyboard features, such as the isolated inverted-T cursor control keys, 3x2 editing keys, both left and right control and alt keys, and 12 function keys. The US layout has 84 keys and the International layout 85 keys. Other features include an integrated numeric keypad, hotkeys for instant access to power conservation, volume, brightness, and other features, 19.05 mm x 19.05 mm key pitch (centre-to-centre spacing), 2.5 mm stroke, comfort-dished keycaps, and bright key legends for improved visibility in low light conditions.

Pointing Device Touch pad with on/off button and dedicated scroll up/down surface

PC Card Slots One Type II PC Card Slot which support both 32-bit CardBus and 16-bit PC Cards

Flash Media Slots One integrated Secure Digital (SD) slot

Storage	Primary Hard Drive	80-GB 5400 rpm Hard Drive or 60-GB 5400 rpm Hard Drive
	Optical Drives	DVD+RW or DVD-CD-RW combo

Multimedia	JBL Pro Speakers and 16-bit stereo sound Dedicated hardware volume controls Headphone-out port Microphone-in port Software MPEG1 support DVD movie playback software DVD+RW Drive (on select models) DVD/CD-RW combo drive (on select models) 4X AGP graphics 64MB of VRAM
-------------------	---

Interfaces	PC Card	One Type II
	Enhanced Parallel EPP/ECP	1 (can be used to connect external parallel diskette drive)
	VGA	1
	Port Replicator	1 (Basic Port Replicator only)
	Headphone/Line-out	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.)
	USB 2.0	3
	1394	1
	LED status indicators	8

Graphics	ATI Mobility Radeon 9200, 64-bit video graphics with 64MB dedicated memory
-----------------	--

Operating System	Microsoft Windows XP Professional, (requires 256MB of memory minimum) NOTE: Microsoft Windows 2000 Driver support via web
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Software

Preinstalled software

WinDVD 5.0 DVD Player (on DVD, DVD/CDRW & DVD+RW models)

Roxio Easy CD Creator 6 (on DVD/CDRW, DVD+RW models)

Adobe Acrobat Reader 6

Symantec Norton Anti-Virus 2003

HP Mobile Printing Driver

HP Help and Support (XP only)

Synaptics Touchpad Driver

Microsoft Office 2003 Applications on select models

NOTE: Symantec Norton Antivirus 2003 (Complimentary 60 days Live Update)

Software provided on CD

Intervideo WinDVD Creator 2.0 (on DVD+R/RW) models

Additional software available from the Web

Microsoft Windows 2000 Driver support

ATI POWERPLAY (BIOS update)

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.)

Security

Power-on Password

Kensington MicroSave security slot; accepts 3rd party security lock devices.

Power Supply

65-Watt adapter

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

Battery

The HP Compaq Business Notebook nx7010 provides up to 5 hours of battery life using the standard 8-cell Lithium-Ion battery.

Battery Re-Charge Time	System in OFF mode or Standby	2 hours
	System ON (depending on system power consumption)	2-5 hours

NOTE: Actual results may vary with product model, configuration, and individual usage. Hewlett-Packard testing of a HP Compaq Business Notebook nx7010 with an Intel Pentium M 1.5 GHz CPU, Windows XP Pro, 15.4-inch WSXGA+ LCD, 256-MB RAM, 60-GB HDD, Lithium-Ion battery, and NIC/modem, achieved an overall Business Winstone 2002 BatteryMark score of 5h 25m 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%, wireless turned off (802.11 and Bluetooth), 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

Hibernation
Instant-on via Standby
Pop-ups with six presets
Supports enhanced Intel SpeedStep Technology (which allows Battery Optimized Mode, Maximum Performance Mode, or Automatic mode)
ACPI compliant

Docking

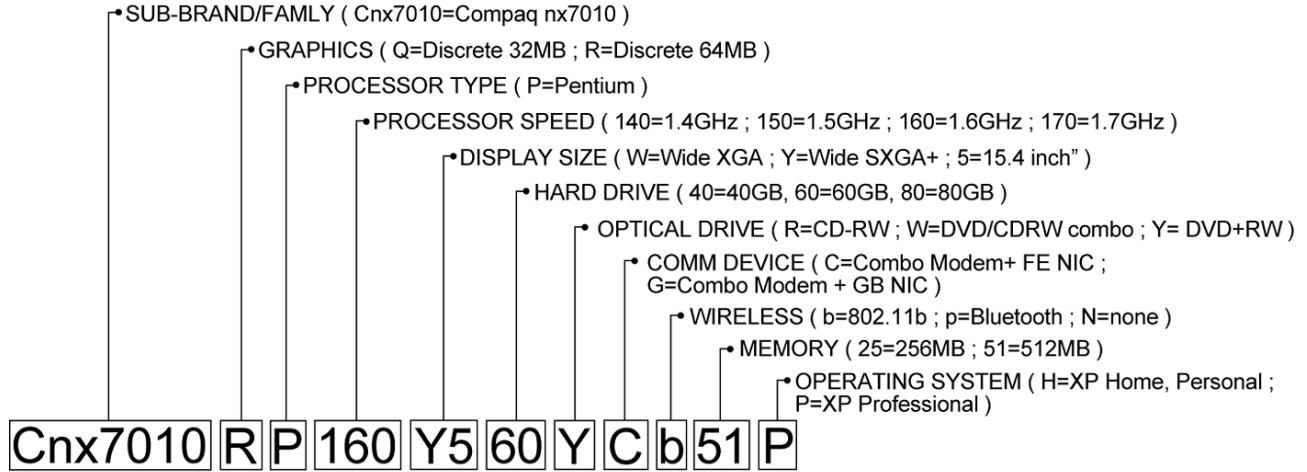
Port Replicator
The sleek port replicator provides simple and convenient port management.
NOTE: Supports all connectivity ports pass through except DVI.

Service and Support

HP Services includes a one-year, Worldwide Limited Warranty, including courier pick-up from anywhere in Australia, with a 48-hour service workshop turnaround repair time.
NOTE: Certain restrictions and exclusions apply. Consult the HP Customer Support Center for details.

Naming Convention

The Etymology of a Model name:



Models

Cnx7010P160W560WCi51P DU687P#ABG	Processor	Intel Pentium-M processor 1.6GHz with 400MHz Front Side Bus	
	Display	15.4-inch colour TFT WSXGA+ with 1680 x 1050 resolution (up to 16.7M colours internal)	
	Cache Memory	1MB L2 Cache	
	Memory	Standard 512MB 333MHz DDR SDRAM Maximum 2GB (333MHz) DDR SDRAM (1GB SODIMMs in slots 1 and 2)	
	Hard Drive	60GB 5400 rpm	
	Graphics	ATI Mobility Radeon 9200, 64-bit video graphics	
	Video Memory	64MB VRAM	
	Optical Drive	24X DVD-ROM/CD-RW Combo Drive	
	Flash Media Slots	One integrated Secure Digital (SD) slot	
	Audio	JBL Pro Speakers and 16-bit stereo sound	
	Communications	Integrated 10/100 NIC 56K (V.92) modem MiniPCI Intel 802.11b Wireless LAN	
	Pointing Device	Touch pad with on/off button and dedicated scroll up/down surface	
	Operating System	Microsoft Windows XP Professional	
	Battery	8-cell Lithium Ion 4.4A Battery	
	Warranty	One year	
	Cnx7010P170W580YCi51P DU688P#ABG	Processor	Intel Pentium-M processor 1.7GHz with 400MHz Front Side Bus
		Display	15.4-inch colour TFT WSXGA+ with 1680 x 1050 resolution (up to 16.7M colours internal)
Cache Memory		1MB L2 Cache	
Memory		Standard 512MB 333MHz DDR SDRAM Maximum 2GB (333MHz) DDR SDRAM (1GB SODIMMs in slots 1 and 2)	
Hard Drive		80GB 5400 rpm	
Graphics		ATI Mobility Radeon 9200, 64-bit video graphics	
Video Memory		64MB VRAM	
Optical Drive		DVD+RW Drive	
Flash Media Slots		One integrated Secure Digital (SD) slot	
Audio		JBL Pro Speakers and 16-bit stereo sound	
Communications		Integrated 10/100 NIC 56K (V.92) modem MiniPCI Intel 802.11b Wireless LAN	
Pointing Device		Touch pad with on/off button and dedicated scroll up/down surface	
Operating System		Microsoft Windows XP Professional	
Battery		8-cell Lithium Ion 4.4A Battery	
Warranty		One year	

Options

Storage	HP 5GB PC Card	DF928A
	USB 1.1 Diskette Drive	DC361A
	SD Card Memory (128MB)	FA135A#AC3
	SD Card Memory (256MB)	FA136A#AC3
	SD Card Memory (512MB)	FA184A#AC3
<hr/>		
Memory	256MB (333MHz) DDR RAM Memory Upgrade	DC389B
	512MB (333MHz) DDR RAM Memory Upgrade	DC390B
	1024MB DDR RAM (333MHz) Memory Upgrade	DC890B
<hr/>		
Expansion	Basic Port Replicator (USB 2.0)	DC367B#ABG
<hr/>		
Power	Primary Battery Pack (8-cell)	DG103A
	65W 3-wire AC Adapter	DC359A
	90W Auto/Truck Adapter	DC303B
	90W Air Cables	DC899A
<hr/>		
Carrying Cases	HP Global Case	336261-371
	HP Portfolio Case	336263-371
	HP Slimline Value Case	336264-371
	HP Leather Case	336265-371
<hr/>		
Security	PC Card Biometrics ID Device	DC859A
	PC Card Smart Card Reader	DC350B
	Security Cable Lock	DC368A
<hr/>		
Input/Output Devices	External 10-Key Numeric Keypad (PS/2)	DC854A
	USB/PS2 Keyboard	DC852A#ABA
	USB/PS2 Mouse	DC369A
	HP USB Travel Mouse (optical scroll mouse)	F4815A

Memory

HP Compaq Business Notebook nx7010 thin and wide

Standard Memory

0-MB of memory on system board,

2 Slots total

1-512-MB DIMM installed in Slot 1

1-Additional open Memory Slot (Only 1 slot user accessible)

(NOTE: 2 slots user accessible-one on the base and one underneath the keyboard deck)

Memory	Slot 1	Slot 2
512MB	512MB	Empty

Standard Memory Plus Optional Memory

Support for up to 2048-MB of DDR SDRAM memory is available with the installation of optional DDR SDRAM Memory Kits.

Memory	Slot 1	Slot 2
256 MB	256 MB	--
384 MB	256 MB	128 MB
512 MB	512 MB	--
768 MB	512 MB	256 MB
1024 MB	512 MB	512 MB
1024 MB	1024 MB	--
2048 MB	1024 MB	1024 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:

- ? 1024MB (333MHz DDR SDRAM Memory Upgrade DC890B
- ? 512MB (333MHz) DDR SDRAM Memory Upgrade DC390B
- ? 256MB (333MHz) DDR SDRAM Memory Upgrade DC389B

Storage

Drive Support

System Drive Support	Quantity Supported	Drive Bay Supported
Removable Media		
DVD+RW	1	Dedicated
DVD/CD-RW Combo Drive	1	Dedicated
DVD-ROM Drive	1	Dedicated
CD-ROM Drive	1	Dedicated
Hard Drives		
80-GB Hard Drive	1	Dedicated hard drive bay
60-GB Hard Drive	1	Dedicated hard drive bay
40-GB Hard Drive	1	Dedicated hard drive bay
30-GB Hard Drive	1	Dedicated hard drive bay

TechSpecs

System Unit	Dimensions (HxWxD)	15.4-inch TFT panel display	3.45 x 35.56 x 25.4 cm (1.36 x 14.0 x 10.0 inch)
	Weight	15.4-inch LCD, CD-RW, DVD or CD, 1 SODIMM	6.5 lbs (2.948 kg)
	NOTE: * = Weight varies by configuration.		
Stand-Alone Power Requirements	Nominal Operating Voltage (Li-Ion)		14.4 V (8-cell)
	Average Operating Power		15.8 W
	Peak Operating Power		38W
	Power in suspend mode		< 800 mW
	Power in hibernation mode		< 100 mW
	Power Supply	Rated Input Voltage	100 to 240 VAC (auto-switching)
	Rated Input Current	1.3A	
	Rated Frequency	50 to 60 Hz	
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	10 G, 11 ms, half-sine	
	Non-operating	60 G, 11 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	
Maximum Altitude (unpressurized)	Operating	0 to 10,000 ft (0 to 3,048 m)	
	Non-operating	0 to 30,000 ft (0 to 9,144 m)	

15.4-Inch Colour TFT WSXGA Display with wide viewing angle	Dimensions (H x W)	33.1 x 20.7 cm (13.0 x 8.1 in)		
	Diagonal Size	39.1 cm (15.4 in)		
	Mounting	Internal Panel Supports, Side Mounted		
	Number of Colours	Up to 16.8M		
	Contrast Ratio	200:1		
	Brightness	180nt typ		
	Pixel Resolution	Pitch	0.193 mm	
		Format	1680 x 1050	
		Configuration	RGB stripe	
	Backlight	Edge Lit		
Character Display	80 x 25			
Viewing Angle	+/-65° degrees Horizontal, +/- 50° Vertical (typical)			

Hard Drives

80-GB (5400 rpm)	Drive Weight	0.22 lb (99 g)		
	Capacity	80 GB		
	Height	0.374 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 (typical reads, including settling)	Single Track	3 ms	
		Average	13 ms	
		Maximum	24 ms	
Rotational Speed	5400 rpm			
Logical Blocks	156,301,488			
Operating Temperature	41° to 131° F (5° to 55° C)			
Features	Security	ATA Security		

60-GB (5400 rpm)	Drive Weight	0.22 lb (102 g)		
	Capacity	60 GB		
	Height	0.374 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 (typical reads, including settling)	Single Track	3 ms	
		Average	13 ms	
		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		

External AC Adapter without Power Facion	Weight	0.65 lb (0.29 kg) (adapter)
		0.29 lb (0.13kg) (power cord)

Correction**Power Supply (Input)**

Operating Voltage	100 to 240 VAC RMS
Operating Current	1.7 A RMS
Operating Frequency Range	47 to 63 Hz AC
Maximum Transient	4/50 kV

**Lithium-Ion Battery Pack
(8-cell)****Dimensions (L x W x D)**

5.25 x 3.63 x 0.75 in (13.4 x 9.2 x 1.9 cm)

Weight

0.96 lb (0.43 kg)

Energy

Voltage 14.8 V

Amp-hour capacity Typical 4.4 Ah

Watt-hour capacity Typical 64 Wh

Temperature

Operating 32° to 140° F (0° to 60° C)

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

DVD+RW Drive	Access Times	Random	CD	<175 ms
			DVD	<230 ms
		Full Stroke	CD	<285 ms
			DVD	<335 ms
	Maximum data transfer rate	24X - CD-ROM	3600 KB/s	
		8X - DVD	10,800 KB/s	
		16X - CD-R	2400 KB/s	
		8X - CD-RW	1200 KB/s	
		2X - DVD+R	2700 KB/s	
		2X - DVD+RW	2700 KB/s	
	Transfer Mode	Multiword DMA Mode 2		
	Interface	EIDE		
	Supported Media (read)	CD-DA, CD+(E)G, CD-MIDI, CD-TEXT, CD-ROM, CD-ROM XA, MIXED MODE CD, CD-I, CD-I Bridge (Photo-CD, Video CD), Multisession CD (Photo-CD, CD-EXTRA, Portfolio, CD-R, CD-RW), CD-R, CD-RW, DVD-ROM (DVD-5, DVD-9, DVD-10, DVD-18), DVD-R, DVD-RW, DVD+R, DVD+RW		
Supported Media (write)	CD-R, CD-RW, DVD+R, DVD+RW			
Maximum Media Capacity (read)	4.7 GB			
Maximum Media Capacity (write)	4.7 GB			
Transport	tray loading			

24X DVD/CD-RW Combo Drive	Access Times	Random	CD	<110 ms
			DVD	<130 ms
		Full Stroke	CD	<210 ms
			DVD	<225 ms
	Maximum data transfer rate	24X - CD-ROM	3600 KB/s	
		8X - DVD	10,800 KB/s	
		24X - CD-R	3600 KB/s	
		10X - CD-RW	1500 KB/s	
	Transfer Mode	Multiword DMA Mode 2		
	Interface	EIDE		
	Supported Media (read)	CD-DA, CD+(E)G, CD-MIDI, CD-TEXT, CD-ROM, CD-ROM XA, MIXED MODE CD, CD-I, CD-I Bridge (Photo-CD, Video CD), Multisession CD (Photo-CD, CD-EXTRA, Portfolio, CD-R, CD-RW), CD-R, CD-RW, DVD-ROM (DVD-5, DVD-9, DVD-10, DVD-18), DVD-R, DVD-RW, DVD+R, DVD+RW		
	Supported Media (write)	CD-R, CD-RW		
	Maximum Media Capacity (read)	4.7 GB		
Maximum Media Capacity (write)	700 MB			
Transport	tray loading			

Audio**Features****Wavetable Synthesis**

of Voices
of MIDI Channels
Max. Sound Set Size
Sound Set Formats
Bundled GeneralMIDI Sound Set(s)
Built-In Effects
Sound Blaster PRO Emulation

SoundMAX

Up to 1024 (CPU dependent)
16
Unlimited (host RAM dependent)
DLS (Level 1), XGlite
1.2 MB XGlite
Reverb and Chorus
Yes

3D Positioning / Environments

Formats Supported
Environmental Acoustics
Additional 3D APIs
Standard HRTFs

I3DL2 / DS3D 7 / EAX 2 / A3D 1
EnvironmentFX (EAX compatible)
MacroFX / ZoomFX
2 Channel

Hardware

Implementation
Audio Signal Link to CPU
Full Duplex
Stereo Inputs
Mono Inputs
Stereo Outputs

AC97 CODEC
Audio CODEC (AC) link
Yes
Line In - 20K Impedancefrom (with Port Replicator)
Microphone - 20K Impedance
Analog, S/PDIF from Port Replicator only

Audio Output Quality

Frequency Response
Signal to Noise Ratio
Total Harmonic Distortion
Play/Record Sampling Rate(s)
AD/DA Resolution

20 Hz - 20 kHz
>94dB
0.01%
7 kHz - 48 kHz
16 bit

Speakers

Amplifier Power
Speaker Impedance

JBL Pro
2-Watts RMS
4-Ohms

Integrated Agere AC'97 Modem	Form Factor	MDC Daughtercard
	Power Management Support	APM Revision 1.2, ACPI
	Approvals/Certifications	UL, CSA, NEMKO, CCIB, Industry Canada, FCC Part 68, CTR21, FCC Part 15 Class B, Canadian ICES-003 Class B, C.I.S.P.R.22, Australian ACA, CE Mark, Other Countries
	Data Mode Capabilities	V.92 V.90 (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
	Fax Mode Capabilities	TIA-578-S (Class 1) T.30, T.4 (Group 3) V.17 V.29 V.27ter V.21 Channel 2
	Command Set	V.250 (Partial) TIA-602 Identification: +GMI, +GMM, +GMR Port control: +IPR, +ICF, +IFC, +ILRR Modulation: +MS, +MR, +MA Error control: +ES, +ER, +EB, +ESR, +ETBM Data compression: +DS, +DR V.251

Intel PRO/Wireless 2100 WLAN	Form Factor	Mini PCI Type 3B (model WM3B7100 AND WM3B2100)
	Dual Diversity Antenna	On-board dual diversity switching
	Frequency Band	2.4 to 2.497 GHz
	Modulation	CCK, DQPSK, DBPSK
	Wireless Medium	2.4 GHz ISM: Direct Sequence Spread Spectrum (DSSS)
	Channels	Full 14 Channel Support. Multinational support with frequency bands and channels compliant to local regulations.
	Data Rates	802.11b: 1, 2, 5.5, 11Mbps
	Indoor Range	100 ft (30 m) @ 11Mbps/300 ft (90 m) @ 1 Mbps
	Outdoor Range	400 ft (120 m) @ 11Mbps/1500 ft (460 m) @ 1 Mbps
	Transmit Output Power	16 dBm (typical)
	Operating Systems	Microsoft Windows XP Professional Microsoft Windows XP Home Microsoft Windows 2000
	WECA	WiFi certification for 802.11b
	WHQL	Yes
	WLAN Standard	IEEE 802.11b
	Architecture	Infrastructure or ad hoc (peer-to-peer)
	Roaming	802.11b compliant for seamless roaming between access points
Security	LEAP, TKIP, 802.1x, EAP-TLS, 128-bit and 64-bit WEP	

Integrated 10/100 NIC	Ethernet Features	10 Mbit/s operation (10BASE-T; IEEE 802.3i; IEEE 802.3 clauses 13-14) 100 Mbit/s operation (100BASE-TX; IEEE 802.3u; IEEE 802.3 clauses 21-30) Auto-Negotiation (Automatic Speed Selection) Full and 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 compliant
	Performance Features	TCP / IP / UDP Checksum Offload (configurable) Microsoft Large Send Offload (configurable) TCP Segmentation Offload CPU Task Offload
	Manageability	PXE Remote Boot
	NIC Device Driver Name	Realtek RTL8139 C+ Fast Ethernet NIC
	Drivers Available	Windows XP Windows 2000

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