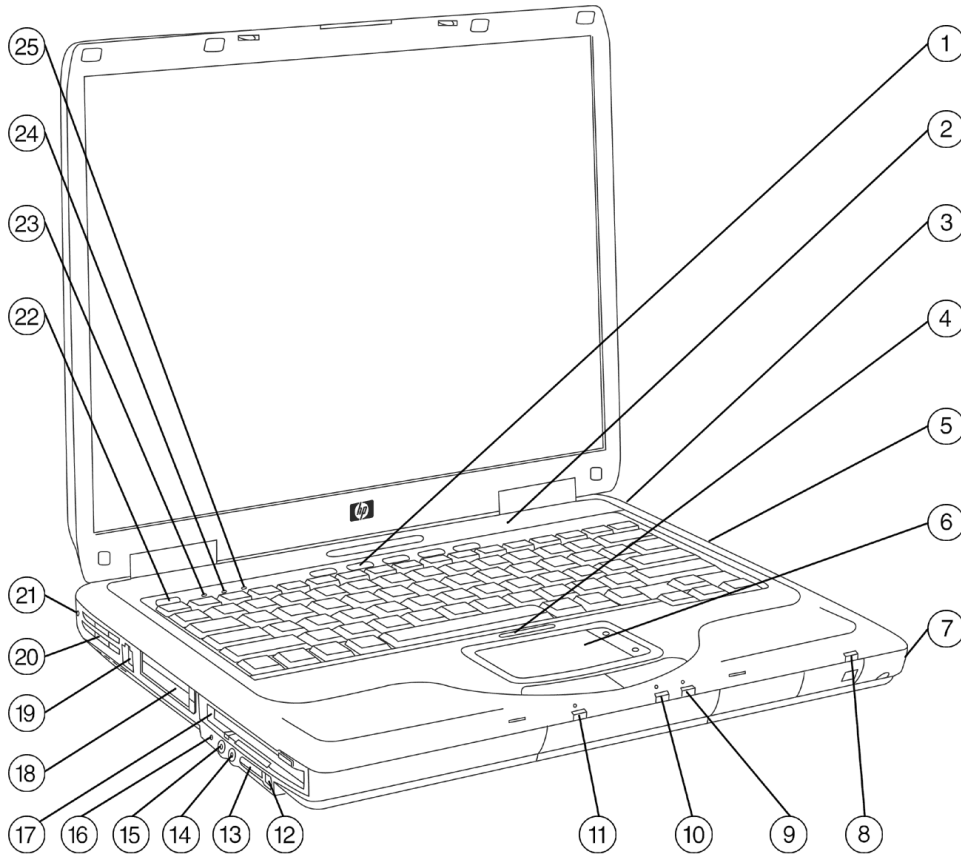
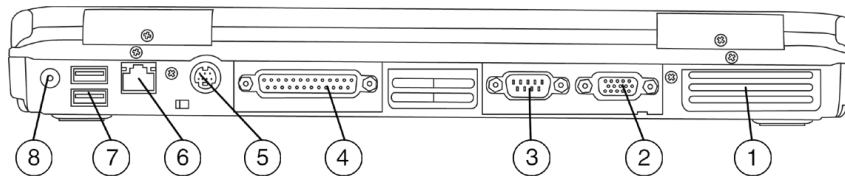


Overview



- | | |
|-----------------------------|-----------------------|
| 1. Easy Access Buttons (5) | 14. Volume Controls |
| 2. Stereo Speakers | 15. Headphone |
| 3. PS/2 Port | 16. Audio In |
| 4. Touch Pad On/Off Button | 17. 1394 Port |
| 5. Fixed Optical Drive | 18. Diskette Drive |
| 6. Touch Pad | 19. PC Card Slots (2) |
| 7. Primary Battery | 20. RJ-11 (Modem) |
| 8. Wireless LED | 21. Air Vent |
| 9. Wireless On/Off Button | 22. Kensington Lock |
| 10. Battery Charging LED | 23. Power Button |
| 11. Hard Drive Activity LED | 24. Caps Lock LED |
| 12. System Power LED | 25. Num Lock LED |
| 13. Mute Lock LED | 26. Keypad LED |



- | | |
|------------------|------------------|
| 1. Air Vent | 5. S-Video |
| 2. VGA Video | 6. RJ-45 (NIC) |
| 3. Serial | 7. USB Ports (2) |
| 4. Parallel Port | 8. DC In |

Overview

At A Glance

- Mobile Intel® Pentium® 4 processors – up to 2.5 GHz
 - Mobile Intel Celeron™ processors – up to 2.4 GHz
- Microsoft Windows XP Professional, Microsoft Windows XP Home, or Microsoft Windows 2000 driver support via web.
- 15-inch TFT XGA and SXGA+, 14.1-inch TFT XGA display
- Configurations as light as 6.75 lb (3.06 kg) and as thin as 1.51 in (3.85 cm) (14-inch panel)
- 128MB, 256MB or 512MB DDR SDRAM (266 MHz), Upgradeable to 1GB
- Up to 60 GB (4200 rpm) hard drive
- Integrated NIC, modem and available 802.11b and 802.11g Wireless LAN
- Full-size keyboard with (5) Quick Launch Buttons
- Includes a one-year, Worldwide Limited Warranty – Certain restrictions and exclusions apply. Consult the HP Customer Support Center for details.

What's New

- Mobile Intel Pentium 4 processors – up to 2.5 GHz
 - Mobile Intel Celeron processors – up to 2.4 GHz
- Microsoft Windows XP Professional, Microsoft Windows XP Home, or Microsoft Windows 2000 driver support via web.
- 400-MHz FSB
- Two Type II PC Card Slots
- Available Integrated 802.11b WLAN
- Available Integrated 802.11g WLAN
- Touchpad with dedicated On/Off button and dedicated scroll

What's Special

- Mobile Intel Pentium 4 –M processors
- Microsoft Windows XP Professional, Microsoft Windows XP Home, or Microsoft Windows 2000 driver support via web.
- All-in-one convenient design
- Designed for mobility
- USB 2.0 and IEEE 1394

Standard Features

Processors and Chipset 2.5 GHz Mobile Intel Pentium 4-M processor 400-MHz Front Side Bus and 512-KB L2 cache
One of the following:
 2.4 GHz Mobile Intel Pentium 4-M processor 400-MHz Front Side Bus and 512-KB L2 cache
 2.2 GHz Mobile Intel Pentium 4-M processor 400-MHz Front Side Bus and 512-KB L2 cache
 2.0 GHz Mobile Intel Pentium 4-M processor 400-MHz Front Side Bus and 512-KB L2 cache
 2.4 GHz Mobile Intel Celeron processor 400-MHz Front Side Bus and 256-KB L2 cache
 2.2 GHz Mobile Intel Celeron processor 400-MHz Front Side Bus and 256-KB L2 cache
 2.0 GHz Mobile Intel Celeron processor 400-MHz Front Side Bus and 256-KB L2 cache
 1.8 GHz Mobile Intel Celeron processor 400-MHz Front Side Bus and 256-KB L2 cache
 1.7 GHz Mobile Intel Celeron processor 400-MHz Front Side Bus and 256-KB L2 cache
 Chipset: ATI Radeon IGP 340M (RS200MP)/ALI M1535+

Operating System Microsoft Windows XP Professional, (requires 256MB of memory minimum) or
 Microsoft Windows XP Home (limited language availability) preinstalled
 Microsoft Windows 2000 Driver support via web

Displays

| | |
|----------|--|
| Internal | 15-inch color TFT UXGA (wide viewing angle) with 1600 x 1200 resolution (up to 16.7M colors internal) 15-inch color TFT SXGA+ with 1400 x 1050 resolution (up to 16.7M colors internal) 15-inch color TFT XGA with 1024 x 768 resolution (up to 16.7M colors internal) 14.1-inch color TFT XGA with 1024 x 768 resolution (up to 16.7M colors internal) |
| 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 | 128 MB (266 MHz) DDR SDRAM (128 MB SODIMM in slot 1) or 256 MB (266 MHz) DDR SDRAM (256 MB SODIMM in slot 1) or 512 MB (266 MHz) DDR SDRAM (512 MB SODIMM in slot 1) |
| Maximum | 1 GB (266 MHz) DDR SDRAM (512MB (266 MHz) in slot 1 and 2) |

NOTE: 128MB of DDR (16MB standard shared video memory).
NOTE: 256MB of DDR (64MB standard shared video memory).
NOTE: Up to 64MB shared video memory user configurable.

Communications

- 10/100 NIC is integrated on the system board
- High speed 56K modem
- 802.11b on select models
- 802.11g on select models
- Wireless on/off Button

Keyboard Full-size desktop-compatible keyboard; special feature hotkeys for instant access to toggling between internal and external displays, or simultaneous displays and brightness Oversized keys and separate cursor control keys (87 keys) – 101-key compatible

Easy Access Buttons Five-One Touch Quick Launch Buttons.

Standard Features

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

PC Card Slots Two Type II PC Card slots with support for 16-bit PCMCIA and 32-bit Cardbus

Storage

| | |
|----------------------|--|
| Fixed Diskette Drive | 1.44 MB Diskette Drive (optional) |
| Primary Hard Drive | 60-GB 4200 rpm Hard Drive 40-GB 4200 rpm Hard Drive 30-GB 4200 rpm Hard Drive 20-GB 4200 rpm Hard Drive |
| Fixed Optical Drive | DVD/CD-RW combo Drive< CD-RW Drive DVD Drive CD Drive |

Audio Integrated Speakers, Volume control and Mute buttons, AC/97, SoundBlaster Pro compatible, 16-bit stereo sound

Multimedia

- Dual Speakers and 16-bit stereo sound
- Dedicated Hardware and Hotkey volume controls
- Headphone-out port
- Microphone in port
- Software MPEG1 support, MPEG2 and DVD
- DVD/CD-RW Combination Drive (on select models)
- DVD-ROM Drive with movie playback software (on select models)
- CD-ROM Drive (on select models)
- S-video Port
- IEEE 1394 Port
- USB 2.0 Ports
- 4X AGP graphics
- 16MB or 64MB of DDR (Double Date Rate) shared video memory

Standard Features

| | | |
|-------------------|---------------------------------|--|
| Interfaces | PC Card | 1 Type II |
| | Enhanced Parallel EPP/ECP | 1 |
| | PS/2 | 1 |
| | S-Video | 1 |
| | VGA | 1 |
| | 1394 | 1 |
| | Port Replicator – select models | 1 |
| | Headphone/Line-out | 1 |
| | Microphone-in | 1 |
| | Serial Port | 1 |
| | DC Power | 1 |
| | RJ-11 (modem) | 1 |
| | RJ-45 (NIC) | 1 |
| | Infrared Port – select models | 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 | 2 |
| | LED status indicators | 8 |

- System power
- Battery charging
- Hard drive activity
- Caps lock
- Num lock
- Keypad
- Wireless
- Mute Lock

Graphics UMA architecture – ATI Mobility™ Radeon™, AGP 4x and 3D Architecture, MPEG2 and DVD playback, standard 16MB shared w/128MB main memory, 64MB shared w/256MB or more main memory, configurable up to 64MB.

Software

Intervideo WinDVD Playback Software
 Roxio Easy CD Creator (on CDRW, DVD/CDRW)
 Safety and Comfort Guide
 Acrobat Reader
 Reference Guide
 One touch button software
 Symantec Norton Anti-virus
 HP Help and Support
 Microsoft Office on select models
NOTE: [Symantec Norton Antivirus 2003 \(Complimentary 60 days Live Update\)](#)

System Recovery Each unit is shipped with a recovery CD kit containing a system restore and Operating System CD. These CDs allow users to either recover or repair their notebook's operating system without losing personal data. The Operating System CD also provides the option of reinstalling the operating system software provided with the notebook. (Erases hard disk and restores the manufacturer installed image.)

Security Power-on Password
 Kensington MicroSave security slot; accepts 3rd party security lock devices.

Standard Features

Power Supply External 90-Watt AC adapter, power cord included.

Battery The HP Compaq Business Notebook nx9000 provides up to 2 ½ hours of battery life using the standard 8-cell Lithium-Ion battery, 4.4Ahr and Smart Battery Technology (provides accurate, instantaneous battery status).

NOTE: Actual results may vary with product model, configuration, and individual usage. Hewlett-Packard testing of a nx9000 with a Pentium 4 M 2.4 GHz CPU, Windows XP Pro, 15.0-inch XGA LCD, 512-MB RAM, 60-GB HDD, DVD, Lithium-Ion battery, and NIC/modem, achieved an overall Business Winstone 2002 BatteryMark score of 2h 59m 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.

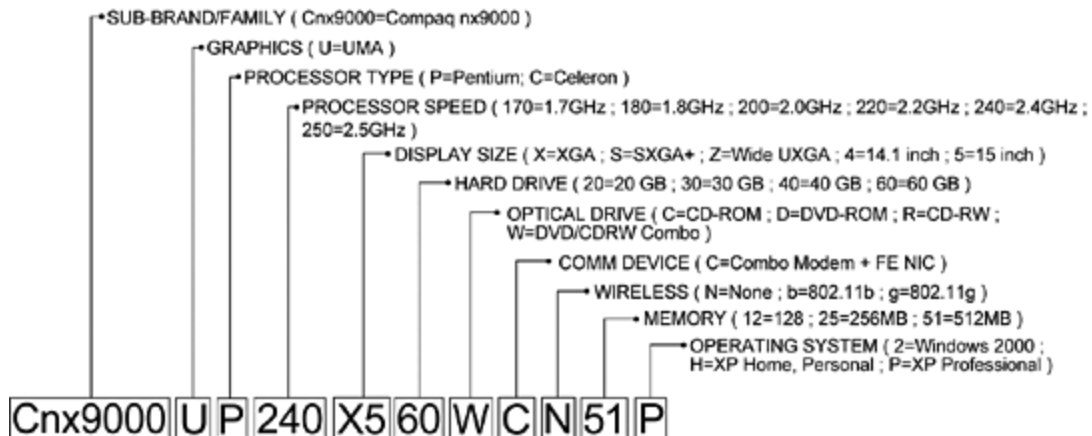
NOTE: This test was performed without independent verification by eTesting Labs Inc. eTesting Labs Inc. makes no representations or warranties as to the result of the test. BatteryMark is a trademark of Ziff Davis Publishing Holdings Inc., and affiliate of eTesting Labs Inc., in the U.S. and other countries.

Power Conservation Hibernation
Instant-on via Standby
One custom level of power conservation
Energy Star Compliant

Service and Support HP Services includes a one-year, Worldwide Limited Warranty, pick-up or carry-in; upgraded warranty and toll-free 7 x 24 hardware technical phone support available.

NOTE: Certain restrictions and exclusions apply. Consult the HP Customer Support Center for details.

Naming Convention The Etymology of a Model name:



Options

| | | |
|------------------------|--|----------------------|
| Storage | USB 16MB Disk on Key | DF517A |
| | IBM 1GB Microdrive | 217390-B25 |
| | USB Diskette Drive | F5101A |
| | USB Diskette Drive | 230330-B25 |
| | USB Diskette Drive | DC361A |
| Memory | 128MB (266 MHz) DDR RAM Memory Upgrade | 269085-B25 or DC388A |
| | 256MB (266 MHz) DDR RAM Memory Upgrade | 269086-B25 or DC389A |
| | 512MB (266 MHz) DDR RAM Memory Upgrade | 269087-B25 or DC390A |
| | 128MB (266 MHz) DDR RAM Memory Upgrade | F4694A |
| | 256MB (266 MHz) DDR RAM Memory Upgrade | F4695A |
| | 512MB (266 MHz) DDR RAM Memory Upgrade | F4696A |
| Expansion | Simple Port Replicator (USB 2.0) | F4811B |
| Power | Primary Battery Pack | F4809A |
| | AC Adapter 90W | F4813A |
| | Auto/Truck Adapter 90W | DC303A |
| Carrying Cases | Compaq Nylon | 249246-001 |
| | Compaq Leather | 249245-001 |
| | HP Nylon | F1606A |
| | HP Leather | F1607A |
| | HP Top Load Nylon Carrying Case | DC915A |
| | HP Top Load Leather Carrying Case | DC917A |
| Security | PC Card Biometrics ID Device | 146805-B25 |
| | PC Card Smart Card Reader | 135646-B25 |
| | Security Cable Lock | 294316-B21 |
| External Drives | Zip 250 External Drive (USB) | 174255-001 |

Options

| | | |
|-----------------------------|---|------------|
| Input/Output Devices | 2 button Mouse (carbon) (PS/2) | 103180-B21 |
| | USB 2 Button Scroll Mouse (Carbon) | 195255-B25 |
| | External 10-Key Numeric Keypad (PS/2) | 294317-B21 |
| | Keyboard (carbon) (PS/2) | 118003-xxx |
| | USB Keyboard | 222726-xxx |
| | USB/PS2 Keyboard | 118003-xx9 |
| | USB/PS2 Mouse | 103180-B22 |
| | USB Diskette Drive | F5101A |
| | USB Travel Mouse | F2100A |
| | USB Travel Mouse (optical scroll mouse) | F4815A |

| | | |
|-----------------|--|------------|
| Monitors | HP s9500 19" (18.0" vis) CRT Monitor | P9010A#ABA |
| | HP v7550 17" (16.0" vis) Flat-face CRT Monitor | P9013A#ABA |

Memory

HP Compaq nx9000 Business Notebook

Standard Memory Plus Optional Memory

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

| Memory | Slot 1 | Slot 2 |
|---------|--------|--------|
| 128 MB | 128 MB | - |
| 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 |

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 Compaq branded memory modules to ensure compatibility.

Following are memory options available from Compaq:

- 512-MB (266 MHz) Memory Upgrade 269087-B25 or DC390A
- 256-MB (266 MHz) Memory Upgrade 269086-B25 or DC389A
- 128-MB (266 MHz) Memory Upgrade 269085-B25 or DC388A

Storage

Drive Support

| System Drive Support | Quantity Supported | Drive Supported |
|-----------------------------|---------------------------|--------------------------|
| 1.44-MB Diskette Drive | 1/0 | Dedicated diskette drive |
| DVD/CD-RW Combo Drive | 1 | Dedicated optical drive |
| CD-RW Drive | 1 | Dedicated optical drive |
| DVD-ROM Drive | 1 | Dedicated optical drive |
| Max CD-ROM Drive | 1 | Dedicated optical drive |

Hard Drives

| | | |
|------------------|---|--------------------------|
| 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 |
| 20-GB Hard Drive | 1 | Dedicated hard drive bay |

Technical Specifications

| | | | |
|--|---------------------------|------------------------------------|---|
| System Unit | Dimensions (HxWxD) | 14.1-inch TFT panel displays | 1.51 x 12.96 x 10.72 in (3.84 x 32.75 x 27.23 cm) |
| | | 15-inch TFT panel displays | 1.62 x 12.96 x 10.72 in (4.12 x 32.75 x 27.23 cm) |
| | Weight | 14.1-inch TFT panel displays | 6.75 lb (3.06 kg) |
| | | 15-inch TFT panel displays | 7.25 lb (3.29 kg) |
| NOTE: * = Weight varies by configuration. | | | |
| Stand-Alone Power Requirements | | Nominal Operating Voltage (Li-Ion) | 14.4 V (8-cell) |
| | | Average Operating Power | 29.7 W Desktop |
| | | Peak Operating Power | 82 W on AC 55 W on DC |
| | | Power in suspend mode | < 1000 mW |
| Power Supply | | Power in hibernation mode | < 100 mW |
| | | Rated Input Voltage | 100 to 240 VAC |
| | | Rated Input Current | 4.74 A |
| | | 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) |

| | | | | |
|--|---------------------------|---------------------------------------|------------------|--|
| 14.1-Inch Color TFT XGA Display | Dimensions (H x W) | 11.22 x 8.46 in (28.5 x 21.5 cm) | | |
| | Diagonal Size | 14.1 in (35.81 cm) | | |
| | Mounting | Internal Panel Supports, Side Mounted | | |
| | Number of Colors | Up to 16.8M | | |
| | Contrast Ratio | 150:1 | | |
| | Brightness | 120nt typ | | |
| | Pixel Resolution | Pitch | 0.264 x 0.264 mm | |
| | | Format | 1024 x 768 | |
| | | Configuration | RGB stripe | |
| | Backlight | Edge Lit | | |
| Character Display | 80 x 25 | | | |
| Total Power Consumption | 4.2W | | | |

Technical Specifications

| | | | | |
|--|---------------------------|---------------------------------------|------------------------|--|
| 15-Inch Color TFT SXGA+ Display | Dimensions (H x W) | 11.8 x 9 in (30.4 x 22.8 cm) | | |
| | Diagonal Size | 15 in (38 cm) | | |
| | Mounting | Internal Panel Supports, Side Mounted | | |
| | Number of Colors | Up to 16.8M | | |
| | Contrast Ratio | 150:1 | | |
| | Brightness | 150nt typ | | |
| | Pixel Resolution | Pitch | 0.218264 x 0.218264 mm | |
| | | Format | 1400 x 1050 | |
| | | Configuration | RGB stripe | |
| | Backlight | Edge Lit | | |
| | Character Display | 80 x 25 | | |
| Total Power Consumption | 5.75W | | | |

| | | | | |
|--------------------------------------|---------------------------|---------------------------------------|------------------|--|
| 15-Inch Color TFT XGA Display | Dimensions (H x W) | 11.8 x 9 in (30.4 x 22.8 cm) | | |
| | Diagonal Size | 15 in (38 cm) | | |
| | Mounting | Internal Panel Supports, Side Mounted | | |
| | Number of Colors | Up to 16.8M | | |
| | Contrast Ratio | 150:1 | | |
| | Brightness | 150nt typ | | |
| | Pixel Resolution | Pitch | 0.297 x 0.297 mm | |
| | | Format | 1024 x 768 | |
| | | Configuration | RGB stripe | |
| | Backlight | Edge Lit | | |
| | Character Display | 80 x 25 | | |
| Total Power Consumption | 5.0W | | | |

| | | | | |
|---|--|---------------------------------------|------------------|--|
| 15-Inch Color TFT UXGA Display with wide viewing angle | Dimensions (H x W) | 11.8 x 9.0 in (30.4 x 22.8 cm) | | |
| | Diagonal Size | 15.0 in (38.0 cm) | | |
| | Mounting | Internal Panel Supports, Side Mounted | | |
| | Number of Colors | Up to 16.8M | | |
| | Contrast Ratio | 250:1 | | |
| | Brightness | 140nt typ | | |
| | Pixel Resolution | Pitch | 0.191 x 0.191 mm | |
| | | Format | 1600 x 1200 | |
| | | Configuration | RGB stripe | |
| | Backlight | Edge Lit | | |
| | Character Display | 80 x 25 | | |
| Total Power Consumption | 6.5W | | | |
| Viewing Angle | +/-85° degrees Horizontal, +15° /-35° Vertical (typical) | | | |

Technical Specifications

Hard Drives

| | | | |
|------------------------------|---|-----------------------|-----------------------------|
| 60-GB (4200 rpm) | Drive Weight | 0.34 lb (155 g) | |
| | Capacity | 60 GB | |
| | Height | 0.374 in (9.5 mm) | |
| | Width | 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 | 25 ms |
| | Rotational Speed | 4200 rpm | |
| | Logical Blocks | 117,210,240 | |
| Operating Temperature | 41° to 131° F (5° to 55° C) | | |
| Features | Security | ATA Security | |

| | | | |
|------------------------------|---|-----------------------|-----------------------------|
| 40-GB (4200 rpm) | Drive Weight | 0.21 lb (95 g) | |
| | Capacity | 40 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 | 3.0 ms |
| | | Average | 13 ms |
| | | Maximum | 25 ms |
| | Rotational Speed | 4200 rpm | |
| | Logical Blocks | 78,140,160 | |
| Operating Temperature | 41° to 131° F (5° to 55° C) | | |

| | | | |
|------------------------------|---|-----------------------|-----------------------------|
| 30-GB (4200 rpm) | Drive Weight | 0.22 lb (99 g) | |
| | Capacity | 30 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 | 2.5 ms |
| | | Average | 12 ms |
| | | Maximum | 23 ms |
| | Rotational Speed | 4200 rpm | |
| | Logical Blocks | 58,605,120 | |
| Operating Temperature | 41° to 131° F (5° to 55° C) | | |

Technical Specifications

| | | | |
|------------------------------|---|-----------------------|-----------------------------|
| 20-GB (4200 rpm) | Drive Weight | 0.21 lb (95 g) | |
| | Capacity | 20 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 | 2.5 ms |
| | | Average | 12 ms |
| | | Maximum | 23 ms |
| | Rotational Speed | 4200 rpm | |
| Logical Blocks | ~ 39,070,080 | | |
| Operating Temperature | 41° to 131° F (5° to 55° C) | | |

| | | | |
|-----------------------|--------------------------|---------------------------|--------------------------|
| Diskette Drive | Diskette Size | 3.5 in | |
| | Height | 0.5 in (12.7 mm) | |
| | Bytes per Sector | 512 | |
| | Sectors per track | High density | 18 (1.44 MB)/15 (1.2 MB) |
| | | Low density | 9 |
| | 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 |
| | Settling time | 15 ms | |
| | Latency average | 100 ms | |

| | | | |
|--|-----------------------------|---------------------------|--------------------|
| External AC Adapter without Power Factor Correction | Weight | 0.67 lb (0.304 kg) | |
| | Power Supply (Input) | Operating Voltage | 100 to 240 VAC RMS |
| | | Operating Current | 1.7 A RMS |
| | | Operating Frequency Range | 47 to 63 Hz AC |

| | | | |
|--|-----------------------------|---------------------------|--------------------|
| External AC Adapter with Power Factor Correction (EMEA/PRC) | Weight | 0.76 lb (0.345 kg) | |
| | Power Supply (Input) | Operating Voltage | 100 to 240 VAC RMS |
| | | Operating Current | 1.0 A RMS |
| | | Operating Frequency Range | 47 to 63 Hz AC |

| | | | | |
|--|-------------------------------|---|-------------------------------|--|
| 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) | |

Technical Specifications

| | | | | |
|------------------------|--|----------------------------------|------------------------|--|
| DVD/CD-RW Drive | Center Hole Diameter | 15 mm | | |
| | Disk Diameter | 12 cm, 8 cm | | |
| | Disk Thickness | 1.2 mm | | |
| | Track Pitch | 1.6 μ m | | |
| | Access Times (typical reads, including settling) | Random CD | | < 110 ms |
| | | Full-Stroke CD | | < 210 ms |
| | | Random DVD | | < 130 ms |
| | | Full-Stroke DVD | | < 225 ms |
| | Audio Output Level | 0.7 – 0.9 Vrms | | |
| | Cache Buffer | 2 Mbytes (minimum) | | |
| | Data Transfer Rate (typical, including settling) | CD-R (24X) | | 3600 KB/s (150 KB/s at 1X CD rate) |
| | | CD-RW (10X) | | 1200 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 | Single | | < 9 seconds (typical) | |
| | Multi-Session | | < 30 seconds (typical) | |
| Stop Time | < 6 seconds (typical) | | | |

| | | | | |
|----------------------|--|-------------------------------------|--|--|
| DVD-ROM Drive | Center Hole Diameter | 0.59 in (1.5 cm) | | |
| | Disk Diameter | 12 cm/8 cm | | |
| | Disk Thickness | 1.2 mm | | |
| | Track Pitch | 0.74 μ m (DVD)/1.6 μ m (CD) | | |
| | Access Times (typical reads, including settling) | Random (typical) | | < 125 ms DVD Media |
| | | Full-Stroke (typical) | | < 225 ms DVD Media |
| | | Random (typical) | | < 100 ms CD Media |
| | | Full-Stroke (typical) | | < 175 ms CD Media |
| | Cache Buffer | 512 KB/s (minimum) | | |
| | Data Transfer Rate (typical, including settling) | Max 24X CD | | 3600 KB/s (150 KB/s at 1X CD rate) |
| | | Max 8X DVD | | 10,800 KB/s (1352 KB/s at 1X DVD rate) |
| Start-up Time | < 12 seconds Typical | | | |
| Stop Time | < 3 seconds Typical | | | |

Technical Specifications

| | | | |
|-------------------------|-------------------------------------|--|-------------------|
| 24X CD-ROM Drive | 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 | 0.59 in (15 mm) | |
| | Disk Diameter | 12 cm, 8 cm | |
| | Disk Thickness | 0.047 in (1.2 mm) | |
| | Track Pitch | 1.6 μ m | |
| | Access Times | Random | < 110 ms |
| | (typical reads, including settling) | Full-Stroke | < 220 ms |
| | Audio Output Level | Line-out | 0.7-0.9 Vrms |
| | Cache Buffer | 128 KB | |
| | Data Transfer Rate | CD-ROM | 3600 KB/s Maximum |
| | (typical, including settling) | | |
| | Start-up Time | < 10 seconds | |
| | Stop Time | < 5 seconds | |

Technical Specifications

| | | |
|--|--|---|
| <p>Integrated Conexant 56K ACLink Modem</p> | <p>Form Factor</p> <p>Power Management Support</p> <p>Approvals/Certifications</p> <p>Data Mode Capabilities</p> | <p>Integrated on motherboard</p> <p>APM Revision 1.2, ACPI</p> <p>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</p> <p>High speed 56K modem (a-law, mu-law)</p> <p>K56flex (a-law, mu-law)</p> <p>V.8bis</p> <p>V.80</p> <p>V44.bis, MNP5 (Compression)</p> <p>V42.bis, MNP5 (Compression)</p> <p>V.42 (LAPM, MNP2-4) (Error Correction)</p> <p>V.34 (file date: 10/96)</p> <p>Optional symbol rates: 2800, 3429 Asymmetric Symbol rates</p> <p>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</p> |
| | <p>Fax Mode Capabilities</p> | <p>TIA-578-S (Class 1)</p> <p>T.30, T.4 (Group 3)</p> <p>V.17</p> <p>V.29</p> <p>V.27ter</p> <p>V.21 Channel 2</p> |
| | <p>Command Set</p> | <p>V.250 (Partial)</p> <p>TIA-602</p> <p>Identification: +GMI, +GMM, +GMR</p> <p>Port control: +IPR, +ICF, +IFC, +ILRR</p> <p>Modulation: +MS, +MR, +MA</p> <p>Error control: +ES, +ER, +EB, +ESR, +ETBM</p> <p>Data compression: +DS, +DR</p> <p>V.251</p> |

Technical Specifications

| | | |
|------------------------------|-------------------------------|--|
| Integrated 10/100 NIC | NIC Device Driver Name | National Semiconductor Corp. DP83815/816 10/100 MacPhyter PCI Adapter |
| | Data Link Layers | IEEE 802.2 LLC SNAP |
| | Ethernet Features | 10 Mbps Ethernet: IEEE 802.3 standard 10BASE-T 100 Mbps Ethernet: IEEE 802.3u standard 100BASE-TX Full Duplex at 10 and 100Mbps Auto-Negotiation Wake on LAN from Standby (S3) Lower Power State on Link Loss |
| | Software support | IBM LAN Server Version 1.2, 1.3, 2.0, 4.0 Microsoft NT 3.51, NT 4.0. Microsoft Windows 2000 Novell Netware 3.1x, 4.x, 5.x |
| | Protocol support | TCP/IP Novell IPX/SPX and Microsoft compatible Novel IPX ODI Microsoft NetBEUI IBM DLC |

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