

Specifications for the Gateway 400SD4 Notebook

Specifications are subject to change without notice or obligation.

Processor and Core Logic

Processor options	<ul style="list-style-type: none">▪ One Intel® Celeron™ CPU-OR-▪ One Intel® Pentium 4™ CPU <p>To determine your notebook's processor, click Start, My Computer, then click View System Information. The processor is listed.</p>
Processor packaging	Intel socketable FCPGA2
Level 2 cache	<ul style="list-style-type: none">▪ 128 KB for Celeron CPU▪ 512 KB for Pentium 4 CPU
Core logic	Intel 845MZ chipset (MCH-M+ICH3-M)
Processor side bus speed	400 MHz front side bus
BIOS	<ul style="list-style-type: none">▪ Phoenix BIOS▪ 512 KB Flash ROM▪ SMBIOS 2.3 support▪ Advanced Configuration and Power Interface 1.0b (ACPI 1.0b) support▪ Advanced Power Management 1.2 (APM 1.2)▪ Wired for Management 2.0 (WfM 2.0)

System memory

Memory type	266 MHz DDRAM system memory
Memory expansion options	<ul style="list-style-type: none">▪ Two 200-pin industrial standard DDR-SODIMM sockets▪ Accepts two PC 2100 DDR memory modules▪ 512 MB maximum system memory▪ No on-board memory <p>To determine your notebook's memory, click Start, My Computer, then click View System Information. The memory is listed.</p>

Video

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Graphics controller	<ul style="list-style-type: none"> ▪ ATI M6-P ▪ 256-bit 3D and 2D graphics accelerator ▪ Support 64-bit DDR SDRAM ▪ ACPI compliant
Video memory	32 MB DDRAM
LCD display panel	<p>14.1-inch or 15.0-inch active matrix (TFT) LCD color display</p> <p>Maximum panel resolution: 1024 × 768</p> <p>Maximum color depth: 32-bit (16.7 million colors)</p>
LCD supported video modes	<p>14.1-inch: XGA</p> <p>15.0-inch: XGA</p>
LCD maximum refresh rate	60 Hz
Controls	<ul style="list-style-type: none"> ▪ Brightness level selectable through FN keys (up, down) ▪ Auto dim on battery ▪ Auto bright on AC power
External video	Supports dual display and dual view
External CRT resolutions	<p>Supports standard IBM VGA compatible modes</p> <p>Maximum resolution: 2048 × 1536 × 32-bit colors</p>
External CRT maximum refresh rate	200 Hz
IEEE 1394	<ul style="list-style-type: none"> ▪ One 4-pin connector ▪ 100/200/400mbps ▪ Supports video and audio capture ▪ Software included for motion and still-frame capture

Audio

Audio chipset	ESS ES 1988
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- Sound support
- Multi-stream Direct Sound and Direct Sound 3D acceleration
 - SoundBlaster Pro, MIDI, Windows Sound System compatible, MP3, WMA
 - Advanced Configuration and Power Interface 1.0 (ACPI 1.0) compliant
 - Advanced Power Management 1.2 (APM 1.2) compliant
 - PCI Power Management Interface (PPMI) 1.1 compliant

NOTE: This notebook does not have an internal microphone.

- Volume controls
- Volume control keys on keyboard
 - Software control provided through Windows

- Internal speakers
- Stereo speakers built into palm rest
 - 0.5 W maximum output

- Audio jacks
- Stereo headphone output
 - Monophonic microphone input

Communications

- Modem features
- Integrated V.92/56K data/fax modem
 - Uses the RJ-11 jack on the left side of the notebook
 - Supports Wake on Ring

- 10/100 Mbps Ethernet interface features
- Integrated IEEE 802.3 (10/100 BASE-TX) Ethernet interface
 - Uses the RJ-45 jack on the left side of the notebook
 - Supports Wake on LAN

- Wireless Ethernet interface features (Factory installed option)
- Agere ORiNOCO IEEE 802.11b network card installed in Mini PCI expansion slot
- Uses factory-installed internal antenna assembly
 - 11 selectable channels
 - 2412 MHz - 2462 MHz Direct Sequence Spread Spectrum
 - 128 bit RC4 security

Input/Output (I/O)

- Keyboard
- U.S. English keyboard
 - Full-sized 86-keys
 - 19 mm × 19 mm key pitch
 - 3.0 mm keystroke

Pointing device	<ul style="list-style-type: none"> ▪ Gateway EZ-Pad™ touchpad ▪ 4-button design
Programmable keys	Four programmable “hot keys” (default functions: launch e-mail, Web browser, help application, user definable)
Status indicators	<ul style="list-style-type: none"> ▪ Caps lock ▪ PAD lock ▪ Scroll lock ▪ Hard drive access ▪ Diskette drive access ▪ Optical drive access ▪ Power/Suspend ▪ Battery status
Input/Output (I/O) ports	<ul style="list-style-type: none"> ▪ Two USB (4-pin) ▪ Parallel (bi-directional, EPP, ECP) ▪ IEEE 1394 (4-pin) ▪ V.92, 56K Modem (RJ-11) ▪ 10/100 Ethernet (RJ-45) ▪ External monitor (VGA) ▪ Stereo headphone output ▪ Monophonic microphone input ▪ PC Card socket (Type II or Type III) ▪ DC input
PCMCIA	<p>Accepts one Type II or Type III device</p> <p>NOTE: This notebook does not support Zoom Video.</p>
Storage	
Hard drive controller	Supports up to Ultra DMA 100 and up to PIO mode 4
Hard drive	<ul style="list-style-type: none"> ▪ User removable ▪ 2.5-inch diameter ▪ 9.5 mm height <p>To find the hard drive capacity, click Start, then click My Computer. Right-click the drive letter, then click Properties. The drive’s capacity and available space appear. If the drive has multiple partitions (for example, C: and D:), add the capacities of each partition to determine the drive’s total capacity.</p>
Super I/O controller	<ul style="list-style-type: none"> ▪ NS PC87391 LPC super I/O controller ▪ Diskette drive controller ▪ IEEE 1284 compliant parallel port

Diskette drive (factory installed option)

- Supports 3.5-inch, 1.44 MB capacity diskettes
- Data transfer rates up to 500 Kbps
- Non-removable design

Optical drive

Available drives include:

- CD
- DVD
- CD-RW
- Combination DVD/CD-RW
- DVD-R/RW

To determine the type of optical drive is in your system, examine the drive tray's plastic cover. A CD logo indicates a CD drive, a DVD logo indicates a DVD drive, a CD-R/RW logo indicates a recordable/rewritable CD drive, a DVD logo in combination with a CD-R/RW logo indicates a DVD drive that also is a recordable/rewritable CD drive, and a DVD-R/RW logo in combination with a CD-R/RW logo indicates a recordable/rewritable DVD drive that also is a recordable/rewritable CD drive.

Power

Intelligent charger

Supports dynamic charge current to achieve the best charge performance

AC adapter

- 19 VDC, 4.74A, 90 W output
- Automatically adjusts for 100 to 240 VAC, 50 to 60 Hz power source
- Three-wire design
- Includes power LED

Battery type

- Removable Lithium Ion battery pack
- Embedded controller inside to support smart battery

Battery capacity

12-cell Li-Ion

- 5.7 Ah
- 14.8 V
- 84 Wh

8-cell Li-Ion

- 4.2 Ah
- 14.8 V
- 62 Wh

Battery life varies depending on configuration, programs, power management settings, and features used. Recharge time varies, depending on usage.

Power management	<ul style="list-style-type: none"> ▪ Advanced Configuration and Power Interface 1.1 (ACPI 1.1) support ▪ SMBIOS 2.3 ▪ PC 2001 compliant
Controls	<ul style="list-style-type: none"> ▪ Keyboard-activated pop-up display gives battery charge as a percentage remaining ▪ Icon on taskbar shows battery charge as a percentage remaining
Power switch	Power On/Off or Suspend/Resume (selectable in setup)
Reset hole	Resets whole system if notebook cannot be recovered by power switch
Lid switch	LCD On/Off or Suspend/Resume

Security

Passwords	<ul style="list-style-type: none"> ▪ Power-on password (2-level password support) ▪ Hard drive password
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Physical	<ul style="list-style-type: none"> ▪ Main system memory compartment screw ▪ Mini PCI bay screw ▪ Kensington® security slot in notebook back
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System software

Operating system	<ul style="list-style-type: none"> ▪ Microsoft® Windows® XP Professional ▪ Microsoft® Windows® XP Home Edition
System management	<ul style="list-style-type: none"> ▪ SMBIOS 2.3 BIOS support ▪ Advanced Configuration and Power Interface (ACPI) power management ▪ Support for Wake on LAN ▪ Support for Intel® LANDesk® Client Manager 6.0 ▪ Wired for Management 2.0 (WfM 2.0) enabled
System compatibility	<ul style="list-style-type: none"> ▪ PC2001 specification ▪ Advanced Power Management 1.2 (APM1.2) ▪ Advanced Configuration and Power Interface 1.1 (ACPI 1.1) or later ▪ SMBIOS 2.3 ▪ Windows Hardware Quality Labs (WHQL) certified
Quick boot	Supported

Physical specifications

Dimensions	15.0-inch display ~13.1 × 10.6 × 1.6 in. (W × D × H) ~334 × 275 × 42.5 mm (W × D × H) 14.1-inch display ~13.1 × 10.6 × 1.58 in. (W × D × H) ~334 × 275 × 40 mm (W × D × H)
System weight	15.0-inch display (includes Diskette drive, CD drive, and 12-cell battery) ~7.53 lbs. ~3.41 kg 14.1-inch display (includes Diskette drive, CD drive, and 12-cell battery) ~7.2 lbs. ~3.26 kg
AC adapter weight	13 ounces (370 g)
Environment	
Operating temperature	41°F to 95°F (5°C to 35°C)
Storage temperature	-4°F to 140°F (-20°C to 60°C)
Operating humidity	20% to 80% relative humidity; no condensation
Storage humidity	10% to 90% relative humidity; no condensation
Operating altitude, maximum	8,000 feet at 59°F (2,438 meters at 15°C)
Storage altitude, maximum	12,000 feet (3,658 m)

MAN SYS 400 SD4 SPEC R2 3/03



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