

SPECIFICATIONS

Gateway 7100/7500 Series Notebook

Specifications are subject to change without notice or obligation.

Processor and Core Logic

Processor options	<ul style="list-style-type: none">▪ One mobile AMD Athlon™ 64 CPU-OR-▪ One mobile AMD Sempron™ CPU <p>To determine your notebook's processor, click Start, My Computer, then click View System Information. The processor is listed.</p>
Processor packaging	754-pin OuPGA
Level 2 cache	<ul style="list-style-type: none">▪ 1 MB for Mobile AMD Athlon CPU-OR-▪ 128 KB/256 KB for mobile AMD Sempron CPU
Chipset-Northbridge	<ul style="list-style-type: none">▪ ATI RS480M (graphics integrated in northbridge)-OR-▪ ATI RX480 for notebooks with ATI Radeon Mobility Xpress 600 graphics controller
Chipset-Southbridge	SB 400
Processor side bus speed	1.6 GT/s
BIOS	<ul style="list-style-type: none">▪ Phoenix BIOS▪ 4 MB Flash ROM▪ SMBIOS 2.3 support▪ Advanced Configuration and Power Interface 2.0 (ACPI 2.0) support▪ Wired for Management 2.0 (WfM 2.0)

System memory

Memory type	333/400 MHz DDR RAM
Memory expansion options	<ul style="list-style-type: none">▪ 200-pin industry standard DDR-SODIMM sockets, user accessible▪ Accepts 400 MHz DDR-I RAM memory module in memory bay▪ 2 GB maximum system memory▪ Single-channel <p>To determine your notebook's memory, click Start, My Computer, then click View System Information. The memory is listed.</p>

Video

Graphics controller	<ul style="list-style-type: none">▪ ATI Radeon Xpress 200M (integrated in northbridge)-OR-▪ ATI Radeon Mobility Xpress 600
	<ul style="list-style-type: none">▪ 2D hardware acceleration▪ 3D rendering acceleration
Video memory	<ul style="list-style-type: none">▪ Shares system memory: 32, 64, or 128 MB-OR-▪ 32, 64, or 128 MB for ATI X600
Video bus	PCI Express for ATI X600
LCD display panel	15.0-inch or 15.4-inch active matrix (TFT) LCD color display Maximum panel resolution (15.0-inch): 1024 × 768 Maximum panel resolution (15.4-inch): 1280 × 800 Maximum color depth: 32-bit (16.7 million colors)
LCD supported video modes	WXGA (15.4-inch) XGA (15.0-inch)
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 and auto bright on AC power (selectable in BIOS)
External video	Supports dual display and dual view
External CRT resolutions	Supports standard IBM VGA compatible modes Maximum resolution: 2048 × 1536 Maximum color depth: 32-bit colors
External CRT maximum refresh rate	85 Hz at 1600 × 1200 75 Hz at 2048 × 1536
TV out (S-Video) jack (Factory installed option)	Supports NTSC/PAL connection to standard TV monitors.

Audio

Sound support

- Conexant SmartAMCi Audio Modem Codec (AMC) CX20468-31
- AC'97 Revision 2.3 Compliant

NOTE: This notebook does not support S/PDIF.

NOTE: This notebook does not have an internal microphone.

Volume controls

- Two volume control buttons (volume up and volume down)
- Press volume up and volume down together to mute the sound
- Software control provided through Windows

Internal speakers

- Stereo speakers built into front of notebook
- 1.5 W / 4ohm maximum output for each channel

Audio jacks

- Stereo headphone output
- Monophonic microphone input

Communications

Modem features

- Conexant Modem CX20493-21
- 56K v.92 Soft Modem
- Uses the RJ-11 jack on the rear of the notebook
- Supports Wake on Ring from S3 power mode

10/100 Mbps Ethernet interface features

- PCI-E 10/100
- Integrated IEEE 802.3 (10/100 BASE-TX) Ethernet interface
- Uses the RJ-45 jack on the rear of the notebook
- Supports Wake on LAN from S3 power mode

Wireless Ethernet interface features (Factory installed option)

Broadcom IEEE 802.11g network card, Mini-PCI Type III-B

FN+F2 keyboard combination toggles wireless networking

Antenna: Uses factory-installed diversified internal antenna

Operating channels: 11 selectable channels in the United States

Security: 128 and 64 bit WEP encryption

Operating Frequency: 2.4 GHz Direct Sequence Spread Spectrum (IEEE 802.11b and IEEE 802.11g)

Maximum Data Rate

- 54 Mbps (IEEE802.11g)
- 11 Mbps (IEEE802.11b)

Input/Output (I/O)

Keyboard

- U.S. English keyboard
- Full-sized 88-keys
- 19 mm × 19 mm key pitch
- 2.5 mm keystroke

Pointing device

- Gateway EZ-Pad™ touchpad with vertical scroll
- 2-button design

Multifunction buttons

Three “hot keys” that launch e-mail, Web browser, and Search.

Status indicators

FN+F1 keyboard combination turns status indicators on and off.

- AC power
- Wireless Ethernet
- Caps lock
- PAD (Num) lock
- Hard drive access
- Battery status
- Power/Suspend

Input/Output (I/O) ports

- Four USB 2.0 (4-pin)
- IEEE 1394 (4-pin)
- V.92, 56K Modem (RJ-11)
- 10/100 Ethernet (RJ-45)
- External monitor (VGA)
- Stereo headphone output
- Monophonic microphone input
- TV out (S-Video) jack
- PC Card socket (one Type II)
- DC input

PCMCIA

- Accepts one Type II device
- ENE CB1410 controller

NOTE: This notebook does not support Zoom Video.

Storage

Hard drive

- User removable
- 2.5-inch diameter
- 9.5 mm height

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 appears. If the drive has multiple partitions (for example, C: and D:), add the capacities of each partition to determine the drive's total capacity.

Memory card reader (factory installed option)

Supports the following card types:

- CompactFlash[®]
- IBM Microdrive[™]
- Memory Stick[®]
- Memory Stick Pro[®]
- MultiMediaCard[™]
- Secure Digital[™]

Optical drive (factory installed)

Available drives include:

- Combination DVD/CD-RW
- Combination DVD±RW/CD-RW

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

Power

AC adapter

- 18.5 VDC, 4.9 A, 90 W output
- Automatically adjusts for 100 to 240 VAC, 50 to 60 Hz power sources
- Two-wire design

Battery type

- Removable Lithium Ion battery pack
- Embedded controller inside to support SBS 1.1

Battery capacity

8-cell Li-Ion

- 4.4 Ah
- 14.8 V nominal
- 53.2 Whr

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 2.0 (ACPI 2.0) support ▪ SMBIOS 2.3 ▪ PC 2001 compliant
Controls	Icon on taskbar shows battery charge as a percentage remaining
Power switch	Supports Power On/Off, Standby/Resume, Hibernate using Windows Setting, Shutdown
Lid switch	LCD On/Off, Standby, Hibernate

Security

Passwords	<ul style="list-style-type: none"> ▪ Power-on password (user/supervisor password set in BIOS) ▪ Hard drive password
Physical	<ul style="list-style-type: none"> ▪ Main system memory compartment screw ▪ Hard drive kit screws ▪ Mini PCI bay screw ▪ Kensington[®] security slot on notebook back

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 2.0 (ACPI 2.0) support ▪ Support for Wake on LAN from S3 power mode ▪ 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 ▪ SMBIOS 2.3 ▪ Windows Hardware Quality Labs (WHQL) certified
Quick boot	Supported

Physical specifications

Dimensions	<p>~14.0 × 10.4 × 1.6 in. (W × D × H)</p> <p>~356.5 × 265 × 40.5 mm (W × D × H)</p>
System weight	<p>~7.6 lbs. (~3.4 kg)</p> <p>Includes optical drive and 8-cell battery</p>
AC adapter weight	<p>~17.7 ounces (~550 g)</p> <p>Includes cord</p>

Environment

Operating temperature	50°F to 90°F (10°C to 32°C)
Storage temperature	4°F to 140°F (-15°C to 60°C)
Operating humidity	20% to 80% relative humidity; no condensation

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