

Specifications for the Gateway M305CRV Notebook

Specifications are subject to change without notice or obligation.

Processor and Core Logic

Processor options

- One Intel® Celeron™ CPU
-OR-

- One Intel® Pentium 4™ -M CPU

To determine your notebook's processor:

- In Windows XP, click **Start, My Computer**, then click **View System Information**. The processor is listed.
-OR-

- In Windows 2000, click **Start, Programs, Accessories, System Tools**, then click **System Information**. The processor is listed.

Processor packaging

Intel socketable u-FCPGA

Level 2 cache

512 KB

Core logic

Intel 852MG chipset

Processor side bus speed

400 MT/s (100 MHz) processor system bus

BIOS

- Phoenix BIOS
- 512 KB Flash ROM
- SMBIOS 2.3 support
- Advanced Configuration and Power Interface 1.0b (ACPI 1.0b) support
- Wired for Management 2.0 (WfM 2.0)

System memory

Memory type

266 MHz DDR RAM

Memory expansion options

- Two 144-pin industry standard DDR-SODIMM sockets
- Accepts two 266 MHz DDR RAM memory modules
- 1 GB maximum system memory
- No on-board memory

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-OR-
- In Windows 2000, click **Start, Programs, Accessories, System Tools**, then click **System Information**. The memory is listed.

Video

Graphics controller

- Intel 852MG (chipset integrated)
- 2D hardware acceleration
- 3D rendering acceleration

Video memory

UMA (shared memory) architecture with Dynamic Video Memory Technology (DVMT)

LCD display panel

14.1-inch and 15.0-inch active matrix (TFT) LCD color display

Maximum panel resolution: 1024 × 768

Maximum color depth: 32-bit (16.7 million colors)

LCD supported video modes

XGA

LCD maximum refresh rate

60 Hz

Controls

- 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

Supports standard IBM VGA compatible modes

Maximum resolution: 1920 × 1200

Maximum color depth: 32-bit colors

External CRT maximum refresh rate

85 Hz

Audio

Sound support

- AC-Link Soft Audio (AC97 CODEC)
- Multi-stream Direct Sound and Direct Sound 3D acceleration
- SoundBlaster Pro, MIDI, Windows Sound System compatible

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 front of notebook
- 1.0 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 rear of the notebook
- Supports Wake on Ring from S3 power mode

10/100 Mbps Ethernet interface features

- 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)

- ActionTec IEEE 802.11b network card installed in Mini PCI expansion slot
-OR-
- Broadcom BCM94306 IEEE802.11g network card installed in Mini PCI expansion slot
-OR-
- Broadcom BCM94300 IEEE802.11a/g network card installed in Mini PCI expansion slot

Antenna: Uses factory-installed internal antenna assembly

Operating channels: 11 selectable channels

Security: 128 and 64 bit WEP encryption

Operating Frequency

- 2.4 GHz Direct Sequence Spread Spectrum (IEEE 802.11b and IEEE 802.11g)
- 5.0 GHz (IEEE 802.11a)

Maximum Data Rate

- 54 Mbps (IEEE802.11g and IEEE 802.11a)
- 11 Mbps (IEEE802.11b)

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

- Gateway EZ-Pad™ touchpad
- 4-button design

Multifunction buttons

Four “hot keys” that launch e-mail, Web browser, help application, and My Computer

Status indicators

- Caps lock
- PAD lock
- Scroll lock
- Hard drive access
- Diskette drive/memory card reader access
- Optical drive access
- Power/Suspend
- Battery status

Input/Output (I/O) ports	<ul style="list-style-type: none">▪ Two USB 2.0 (4-pin)▪ Parallel (bi-directional, EPP, ECP)▪ V.92, 56K Modem (RJ-11)▪ 10/100 Ethernet (RJ-45)▪ External monitor (VGA)▪ Stereo headphone output▪ Monophonic microphone input▪ PC Card socket (one Type II or Type III)▪ DC input
PCMCIA	<ul style="list-style-type: none">▪ Accepts one Type II or Type III device▪ O₂Micro OZ6912 controller <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:</p> <ul style="list-style-type: none">▪ In Windows XP, 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. <p>-OR-</p> <ul style="list-style-type: none">▪ In Windows 2000, double-click the My Computer icon on your Windows desktop. 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.
Super I/O controller	<ul style="list-style-type: none">▪ NS PC87393 LPC super I/O controller▪ Diskette drive controller▪ IEEE 1284 compliant parallel port
Diskette drive (factory installed option)	<ul style="list-style-type: none">▪ Supports 3.5-inch, 1.44 MB capacity diskettes▪ Data transfer rates up to 500 Kbps▪ Non-removable design

Memory card reader (factory installed option)

Supports the following card types:

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

Optical drive (factory installed)

Available drives include:

- CD
- DVD
- Combination DVD/CD-RW

To determine the type of optical drive in your system, examine the drive tray's plastic cover. A CD Compact Disc logo indicates a CD drive, a DVD logo indicates a DVD drive and a DVD logo in combination with a CD-R/RW logo indicates a 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, 3.16A, 60 W output
- Automatically adjusts for 100 to 240 VAC, 50 to 60 Hz power sources
- Three-wire design

Battery type

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

Battery capacity	<p>8-cell Ni-MH</p> <ul style="list-style-type: none">▪ 4.5 Ah▪ 9.6 V nominal▪ 43.2 Wh <p>8-cell Li-Ion</p> <ul style="list-style-type: none">▪ 4.4 Ah▪ 14.8 V nominal▪ 65.1 Wh <p>6-cell Li-Ion</p> <ul style="list-style-type: none">▪ 4.0 Ah▪ 11.1 V nominal▪ 44.4 Wh <p>Battery life varies depending on configuration, programs, power management settings, and features used. Recharge time varies, depending on usage.</p>
Power management	<ul style="list-style-type: none">▪ Advanced Configuration and Power Interface 1.0b or later (ACPI 1.0b or later) support▪ SMBIOS 2.3▪ PC 2001 compliant▪ Pentium 4-M CPU supports Intel[®] Speedstep[™] technology
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▪ Battery meter on battery
Power switch	Supports Power On/Off, Standby/Resume, Hibernate, Shutdown
Reset hole	Resets whole system if notebook cannot recover by power switch
Lid switch	LCD On/Off, Standby, Hibernate
Security	
Passwords	<ul style="list-style-type: none">▪ Power-on password (2-level password support)▪ Hard drive password
Physical	<ul style="list-style-type: none">▪ Main system memory compartment screw▪ Hard drive kit screws▪ Mini PCI bay security 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▪ Microsoft® Windows® 2000
System management	<ul style="list-style-type: none">▪ SMBIOS 2.3 BIOS support▪ Advanced Configuration and Power Interface 1.0b (ACPI 1.0b) 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▪ Advanced Configuration and Power Interface 1.0b (ACPI 1.0b) or later▪ SMBIOS 2.3▪ Windows Hardware Quality Labs (WHQL) certified
Quick boot	Supported

Physical specifications

Dimensions	~1.39 × 13.1 × 10.6 in. (W × D × H) ~35.3 × 332.7 × 269.2 mm (W × D × H)
System weight	~6.4 lbs. ~2.9 kg Includes Diskette drive, DVD drive, and 8-cell battery
AC adapter weight	~14.25 ounces ~404 g Includes cord

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)

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