

Specifications for the Gateway 600YG2 Notebook

Specifications are subject to change without notice or obligation.

Processor and Core Logic

Processor options

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 micro-FCPGA2

Level 2 cache

512 KB

Core logic

- Intel 845MP chipset
- PCI Bus
- ICH-3

Processor side bus

400 MHz front side bus

BIOS

- 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 DDR-SDRAM system memory
Memory expansion options	<ul style="list-style-type: none">▪ Two 200-pin industrial standard DDR-SODIMM sockets▪ Accepts two PC-2100 SDRAM memory modules▪ 1024 MB maximum system memory▪ No on-board memory To determine your notebook's memory: <ul style="list-style-type: none">▪ In Windows XP, click Start, My Computer, then click View System Information. The memory is listed.-OR-▪ In Windows 2000, click Start, Programs, Accessories, System Tools, then click System Information. The memory is listed.

Video

Graphics controller	<ul style="list-style-type: none">▪ ATI Mobility Radeon 9500▪ 256-bit 3D and 2D graphics accelerator
Video memory	64 MB DDR-SDRAM
LCD display panel	15.0-inch or 15.7-inch active matrix (TFT) LCD color display Maximum panel resolution: 15.0-inch: 1024 × 768 15.7-inch: 1280 × 1024 Maximum color depth: 32-bit (16.7 million colors)
LCD supported video modes	15.0-inch: XGA 15.7-inch: SXGA
LCD maximum refresh rate	60 Hz
Controls	<ul style="list-style-type: none">▪ Brightness level selectable through FN key (up, down)▪ Icon to display 8 levels of brightness▪ Auto dim on battery▪ Auto bright on AC power
External video	<ul style="list-style-type: none">▪ Supports dual display and dual view▪ Integrated TV encoder
External CRT resolutions	Supports standard IBM VGA compatible modes Maximum resolution: 2048 × 1536 × 32-bit colors

External CRT maximum refresh rate	75 Hz
TV out (composite video) jack	Supports NTSC/PAL connection to standard TV monitors with RCA jack
TV out (S-Video) jack	Supports NTSC/PAL connection to standard TV monitors with S-Video jack on port replicator
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 ES1988
Sound support	<ul style="list-style-type: none">▪ PCI interface audio▪ Multi-stream Direct Sound and Direct Sound 3D acceleration▪ SoundBlaster Pro, MIDI, Windows Sound System compatible, MP3, WMA▪ APM1.2, ACPI1.0, and PPMI1.1 compliant▪ S/PDIF output for PCM or AC-3 content via Toslink jack on notebook and port replicator▪ PCI Power Management Interface (PPMI) 1.1 compliant
Digital DVD audio	Provides full 5.1 channel Dolby Digital output (AC-3) from DVD decoder through Toslink optical S/PDIF jack on notebook and port replicator.
Volume controls	<ul style="list-style-type: none">▪ Volume control buttons for Audio DJ on front of system▪ Volume control keys on keyboard▪ Software control provided through Windows
Internal microphone	Omni-directional, low impedance
Internal speakers	<ul style="list-style-type: none">▪ Stereo speakers built into palm rest.▪ 1.0 W maximum output
Audio jacks	<ul style="list-style-type: none">▪ S/PDIF digital audio output▪ Stereo headphone output▪ Stereo line input▪ Monophonic microphone input

Audio DJ

- O2 Oz263, Digital Audio & Audio Player
- Supports AC97 V2.2
- Supports playback function buttons (Play/Pause, Forward/Scan Forward, Rewind/Scan Rewind, Stop)
- Independent power button
- Volume up/down

Communications

Modem features

- Integrated V.90/56K data/fax modem
- Uses the RJ-11 jack on the back 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 back of the notebook
- Supports Wake on LAN from S3 power mode

Wireless Ethernet interface features (Factory installed option)

- Agere ORiNOCO 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

- Bay swap status
- Hard drive access
- Left bay access
- Right bay access
- Caps lock
- Scroll lock
- PAD lock
- Audio DJ power
- Battery status
- Power/Suspend

Input/Output (I/O) ports

- Two USB (4-pin)
- High-speed serial
- Parallel (bi-directional, EPP, ECP)
- IEEE 1394 (4-pin)
- V.90, 56K Modem (RJ-11)
- 10/100 Ethernet (RJ-45)
- External monitor (VGA)
- TV out (NTSC/PAL composite video)
- S/PDIF digital audio out
- Stereo headphone output
- Stereo line input
- Monophonic microphone input
- PS/2 keyboard or mouse
- PC Card sockets (two Type II or one Type III)
- Docking port
- DC input

PCMCIA

- Accepts two Type II or one Type III device
- TI PCI1520 controller
- Supports D3 cold wakeup

NOTE: This notebook does not support Zoom Video.

Docking solution

Type	Port replicator
Docking supported	<ul style="list-style-type: none">▪ Hot dock▪ Warm dock▪ Cold dock
Input/Output (I/O ports)	<ul style="list-style-type: none">▪ Two USB 2.0 (4-pin)▪ High-speed serial▪ Parallel▪ Modem (RJ-11)▪ Ethernet (RJ-45)▪ External monitor (VGA)▪ S-Video TV out▪ S/PDIF digital audio out▪ Stereo headphone output▪ Analog audio line input (stereo)▪ Two PS/2▪ Docking port▪ DC input

Storage

Hard drive controller	<ul style="list-style-type: none">▪ Two independent bus-mastering Enhanced IDE channels on PCI bus▪ 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 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. -OR-▪ 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 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.

Super I/O controller

- NS PC87391 LPC super I/O controller
- Diskette drive controller
- IEEE 1284 compliant parallel port
- Serial port

Modular bays

Two modular bays are available on the notebook.

Supports hot swapping of both bay devices:

- From taskbar
- Through an electrical switch

Optical Drive

To determine the type of optical drive in a bay, examine the drive tray's plastic cover. A CD Compact Disc 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-ROM/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.

Available drives include:

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

Second Hard Drive

- 2.5-inch diameter
- 12.7 mm or 9.5 mm high

Diskette Drive (right modular bay only)

- 12.7 mm high
- 3.5-inch diskettes
- 720k/1.2MB/1.44MB support

Second Battery (right modular bay only)

- Removable six-cell prismatic Lithium Ion battery pack
- 3.4 Ah
- 11.1 V nominal
- 37.74 Wh

Power

Intelligent charger	Supports dynamic charge current to achieve the best charge performance
AC adapter	<ul style="list-style-type: none">▪ 19 VDC, 4.72A, 90 W output▪ Automatically adjusts for 100 to 240 VAC, 50 to 60 Hz power source▪ Three-wire design▪ Includes power LED
Battery type	Main <ul style="list-style-type: none">▪ Removable nine-cell Lithium Ion battery pack▪ Embedded controller inside to support smart battery Secondary <ul style="list-style-type: none">▪ Removable six-cell prismatic Lithium Ion battery pack
Battery capacity	Main <ul style="list-style-type: none">▪ 5.7 Ah▪ 11.1 V nominal▪ 63.3 Wh Secondary <ul style="list-style-type: none">▪ 3.4 Ah▪ 11.1 V nominal▪ 37.7 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 (ACPI 1.0b) 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 be recovered by power switch

Lid switch

LCD On/Off, Standby, Hibernate

Security

Passwords

- Power-on password (2-level password support)
- Hard drive password

Physical

- Main system memory compartment screw
- Hard drive bay screw
- Mini PCI bay security screw
- Kensington® security slot on notebook right side
- Kensington® security ring on port replicator

System software

Operating system

- Microsoft® Windows® XP Professional
- Microsoft® Windows® XP Home Edition
- Microsoft® Windows® 2000

System management

- SMBIOS 2.3 BIOS support
- Wired for Management 2.0 (WfM 2.0) enabled
- 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

System compatibility

- PC99 specification
- PC2001 specification
- Advanced Power Management 1.2 (APM 1.2)
- Advanced Configuration and Power Interface 1.0b (ACPI 1.0b) support
- SMBIOS 2.3
- Windows Hardware Quality Labs (WHQL) certified

Quick/Quiet boot

Supported

Physical specifications

Dimensions

15.7-inch display

~13.86 × 11.44 × 1.77 in. (W × D × H)

~352 × 290 × 45.5 mm (W × D × H)

15.0-inch display

~13.86 × 11.44 × 1.69 in. (W × D × H)

~352 × 290 × 43.5 mm (W × D × H)

System weight

15.7-inch display

includes DVD drive, diskette drive, and battery

~8.65 lbs.

~3.9 kg

15.0-inch display

includes DVD drive, diskette drive, and battery

~8.0 lbs.

~3.6 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 600 YG2 SPEC R3 8/03



8509305