Macintosh PowerBook G3 Series

At first glance, you'll be struck by the style of these computers. On closer examination, you'll find their advanced features and outstanding flexibility even more striking. Most impressive of all, though, is their performance. These innovative notebook systems outperform comparable Pentium and Pentium II processor–based notebook and desktop systems.* Simply put, the Apple Macintosh PowerBook G3 Series sets new standards for portable design, performance, and value.

The Macintosh PowerBook G3 Series truly offers "something for everyone"—from creative professionals to educators and students to business professionals. Built around the high-performance PowerPC G3 processor with performance-boosting backside level 2 cache—the same innovative chip that sparked the success of Apple's current line of desktop systems—these notebook systems provide the power to handle even the most demanding tasks.

To complement their power, the PowerBook G3 notebook systems incorporate the impressive multimedia capabilities that are a must for today's educators and business professionals. And since Apple understands that individual needs are just that—individual—these systems offer flexible configuration options. Each system includes either a high-speed CD-ROM drive or a DVD-ROM drive for the latest storage technology. And with the DVD-Video PC Card that comes with the DVD-ROM drive, you can play the latest DVD movies. PowerBook G3 systems also include built-in video output, as well as S-video output for connecting to a TV.

The innovative design of these computers is as functional as it is attractive, with features such as two hot-swappable expansion bays for multiple storage options and lithium-ion batteries, and a flip-up keyboard for fast, easy access to memory expansion and the removable hard disk drive.

The PowerBook G3 systems' communications offerings include built-in Ethernet—a requirement in most educational environments as well as in business. And an internal 56-Kbps modem lets you tap into your organizational network or the Internet.***

The Macintosh PowerBook G3 Series: Truly versatile portable systems that give you unmatched performance, style, and capabilities to meet your needs at a price you can afford.

Features

Astounding performance
- Features the PowerPC G3 processor, for the fastest performance ever in a notebook computer
- Incorporates performance-boosting backside level 2 cache
- Uses SDRAM and SGRAM for the fastest memory architecture available
- Supports two lithium-ion batteries for up to 7 hours of normal use
- Offers flexible configuration options to meet your needs and your budget

Advanced multimedia
- Features a high-quality 12.1- or 14.1-inch (diagonal) active-matrix (TFT) display
- Includes up to 4MB of video memory, for displaying millions of colors on an external monitor
- Provides resolution scaling and outstanding 2D/3D graphics acceleration through the integrated ATI RAGE LT PRO graphics controller
- Includes a high-speed CD-ROM drive or a DVD-ROM drive and DVD-Video PC Card for the latest breakthrough in storage and video playback
- Allows you to connect an external monitor, video projector, or TV

Striking style
- Features an award-winning design that combines aesthetics and functionality
- Includes two expansion bays for a variety of storage and battery options
- Provides easy access to memory expansion and the removable hard disk drive through its flip-up keyboard
- Accommodates CardBus cards and PC Cards for additional networking, storage, dual-monitor support, and DVD-Video playback capabilities

Integrated communications
- Includes built-in 10BASE-T Ethernet
- Includes internal modem that supports K56flex and V.90 standard
- Comes with built-in 4-Mbps IrDA technology for easy, wireless LAN access and file sharing

Macintosh PowerBook Performance Comparisons

Based on MacBench Processor Scores**

	Score
G3 Series at 300 with 1MB level 2 cache	1052
G3 Series at 266 with 1MB level 2 cache	941
G3 Series at 233 with 512K level 2 cache	764
G3 Series at 233 without level 2 cache	445
3400c/240	333
1400c/166	155

Based on BYTEmark integer index.

**Based on Apple internal testing using MacBench 4.0 processor performance scores. Actual performance on applications will vary. MacBench is a subsystem-level benchmark that measures the relative performance of Mac OS–based systems.

***Data speeds up to 56 Kbps, fax speeds up to 14.4 Kbps. Actual download speeds vary with line conditions and your Internet service provider's modem capabilities. FCC regulations limit ISP transmission speeds to 53 Kbps in the U.S.

Macintosh PowerBook G3 Series

Technical Specifications

Processor and memory

- 233-, 266-, or 300-MHz PowerPC G3 processor
- Up to 1MB backside level 2 cache on processor module; 117-, 133-, or 150-MHz dedicated 64-bit backside bus
- 66-MHz system bus
- Integrated floating-point unit and 64K on-chip level 1 cache (32K data and 32K instruction)
- 32MB or 64MB of RAM (3.3-volt, unbuffered, 64-bit wide, 144-pin, running at more than 100 MHz, 10-nanosecond cycle time); two SO-DIMM slots support up to 192MB

Storage

- Internal 2GB, 4GB, or 8GB IDE hard disk drive
- Two expansion bays for CD-ROM or DVD-ROM drive, optional floppy disk drive, and third-party storage solutions
- 20x-speed (maximum) CD-ROM drive for use in expansion bay*
- 1.5x-speed (maximum) DVD-ROM drive for use in expansion bay; supports CD-ROM discs at up to 12x speed*

Interfaces

- Connectivity
—Apple Desktop Bus (ADB) port
—SCSI port for connecting as many as seven external devices
—High-speed serial (RS-422) port compatible with LocalTalk cables
—Power adapter port
- Communications
—Built-in 10BASE-T Ethernet connector (10 Mbps)
—RJ-11 modem port for K56flex and V.90 standard modem
—Infrared technology port (4-Mbps IrDA)
- PC Card and CardBus expansion
—Support for two Type I or Type II cards or one Type III card
—Support for Zoomed Video PC Cards in the lower slot
- Video
—S-video output port
—24-bit video output port (VGA-style connector)
- Sound
—16-bit CD-quality stereo input/output

Video and graphics support

- 2MB or 4MB of SGRAM video memory supports millions of colors on up to 20-inch external displays
- Built-in 2D/3D graphics acceleration through an integrated ATI RAGE LT PRO graphics controller
- With Macintosh PowerBook DVD-Video PC Card (included with DVD-ROM drive), supports DVD-Video playback*

Display

- 12.1-inch (diagonal) built-in TFT SVGA active-matrix display; supports millions of colors at 800- by 600-pixel resolution; supports resolution scaling to 640- by 480-pixel resolution
- 14.1-inch (diagonal) built-in TFT XGA active-matrix display; supports millions of colors at 1,024- by 768-pixel resolution; supports resolution scaling to 640- by 480-pixel or 800- by 600-pixel resolution

Sound

- Two built-in stereo speakers
- Internal omnidirectional microphone

Battery

- 49-watt-hour lithium ion
- Provides up to 3.5 hours with one battery, and up to 7 hours with two batteries, based on normal use

Security

- Kensington cable lock slot

Keyboard

- Built-in full-size keyboard with 76 (U.S.) or 77 (ISO) keys, including 12 function keys, 4 arrow keys (inverted "T" arrangement), and embedded keypad

Apple trackpad

- Solid-state Apple trackpad provides precise cursor control; supports tap, double-tap, and drag capabilities

Electrical requirements

- Line voltage: 100 to 240 volts AC
- Frequency: 50 to 60 Hz

Environmental requirements

- Operating temperature: 50° to 95° F (10° to 35° C)
- Storage temperature: –13° to 140° F (–25° to 60° C)
- Relative humidity: 20% to 80% noncondensing
- Operating altitude: 0 to 10,000 feet (0 to 3,048 m)
- Maximum storage altitude: 15,000 feet (4,572 m)

Size and weight

- Width: 10.4 inches (26.4 cm)
- Height: 12.7 inches (32.3 cm)
- Depth: 2.0 inches (5.1 cm; 5.3 cm for the 14.1-inch model)
- Weight (varies by configuration; examples listed below include modem, battery, and CD-ROM module)
—12.1-inch model: 7.2 lb. (3.3 kg)
—14.1-inch model: 7.8 lb. (3.5 kg)

Available in some configurations; see Configurations chart for product details.

Macintosh PowerBook G3 Series

Ordering Information

For detailed information about currently available configurations, see the chart below. All models also include a built-in keyboard and trackpad; all necessary cables, such as an Ethernet cable, modem cable, power adapter, S-video to composite adapter, and VGA-to-Macintosh adapter; Mac OS 8.5 (which includes Internet access software); third-party software (FAXstf, Now Contact & Up•to•Date, and WebWhacker); complete setup, learning, and reference documentation; and limited warranty.

Build-to-order (BTO) options
You can order a 14.1-inch-based custom-configured PowerBook computer from the online Apple Store. This allows you to select the processor speed, amount of RAM, hard disk drive capacity, modem, and expansion bay modules such as a floppy disk drive and an additional lithium-ion battery.

For more information
For more information about these products, or to find out where to buy Apple products, visit www.apple.com on the World Wide Web or call 1-800-538-9696. To purchase these products from the Apple Store, go to www.apple.com/store.

Configurations

Macintosh PowerBook G3 computers

Order no.	M7229LL/A	M7109LL/A
Display	12.1-inch TFT	14.1-inch TFT
Processor speed	233 MHz	233 MHz
Backside level 2 cache	512K	512K
Backside bus speed	117 MHz	117 MHz
Memory (SDRAM)	32MB	32MB
Video memory (SGRAM)	2MB	4MB
Graphics controller	ATI RAGE LT PRO	ATI RAGE LT PRO
System bus speed	66 MHz	66 MHz
Hard disk drive	2GB IDE drive	2GB IDE drive
CD-ROM drive module	Yes	Yes
DVD-ROM drive with DVD-Video playback	—	—
Ethernet	Built-in 10BASE-T	Built-in 10BASE-T
Modem (supports K56flex and V.90)	Yes	Yes
S-video output	Yes	Yes

Order no.	M7110LL/A	M7310LL/A	M7111LL/A
Display	14.1-inch TFT	14.1-inch TFT	14.1-inch TFT
Processor speed	266 MHz	300 MHz	300 MHz
Backside level 2 cache	1MB	1MB	1MB
Backside bus speed	133 MHz	150 MHz	150 MHz
Memory (SDRAM)	64MB	64MB	64MB
Video memory (SGRAM)	4MB	4MB	4MB
Graphics controller	ATI RAGE LT PRO	ATI RAGE LT PRO	ATI RAGE LT PRO
System bus speed	66 MHz	66 MHz	66 MHz
Hard disk drive	4GB IDE drive	8GB IDE drive	8GB IDE drive
CD-ROM drive module	Yes	Yes	—
DVD-ROM drive with DVD-Video playback	—	—	Yes
Ethernet	Built-in 10BASE-T	Built-in 10BASE-T	Built-in 10BASE-T
Modem (supports K56flex and V.90)	Yes	Yes	Yes
S-video output	Yes	Yes	Yes

Accessories

	Order no.
PowerBook G3 Series Power Adapter	M6384LL/A
PowerBook G3 Series Power Adapter (for Europe and U.K.)	M6548G/A
PowerBook G3 Series Lithium-ion Rechargeable Battery	M6385G/A
PowerBook G3 Series Floppy Disk Drive Expansion Bay Module	M6396G/A
Apple HDI-30 SCSI Disk Adapter for SCSI disk mode	M2539LL/A
Apple SCSI Peripheral Interface Cable for SCSI-to-SCSI connection	M0207
Apple HDI-30 SCSI System Cable for PowerBook-to-SCSI connection	M2538LL/A