



Apple

Spec Database

PowerBook G3 Series 13.3" (233, 250, 292 MHz)

System Fact Sheet

SYSTEM

Introduced: May 1998
Discontinued: August 1998
Gestalt ID: 312
Form Factor: PowerBook G3 Series
Weight (lbs.): 7.6
Dimensions (inches): 2 H x 12.7 W x 10.4 D

Codename: Main Street, Wall Street
Order Number: M6481LL/A (233)
KB Article #: 24469, 24604

*Family Model # M4753
 Weight includes modem, battery and CD-ROM module*

POWER

Max. Watts: 45
Amps: 1.2
BTU Per Hour: 153.9
Voltage Range: 100-240
Freq'y Range (Hz): 50-60
Battery Type: 49 WH Lithium Ion
 Soft Power
 Monitor Power Outlet

PORTS

ADB: 1
Video: HDI-15
Floppy: none
SCSI: HDI-30
GeoPort Connectors: 1
Ethernet: 10Base-T
Microphone Port Type: PlainTalk
 Printer **Speaker**
 Modem **Headphone**
 Airport **Remote Control**

24-bit video output port (VGA-style connector)

SCSI supports up to 7 devices

VIDEO

Built-in Display: 13.3" (diagonal) TFT XGA active-matrix

Maximum Color Bit-depth¹ At:

			512	640	640	640	800	832	1024	1152	1280
VRAM Speed:	VRAM Needed:	Video Configuration:	x384	x400	x480	x870 ²	x600	x624	x768	x870	x1024
n/a	built in	built-in LCD (4MB VRAM)	n/a	n/a	n/a	n/a	n/a	n/a	24	n/a	n/a

¹ 1-bit = Black & White; 2-bit = 4 colors; 4-bit = 16 colors; 8-bit = 256 colors; 16-bit = Thousands; 24-bit = Millions

² The maximum color depth listed for 640x870 is 8-bit, reflecting the capabilities of the Apple 15" Portrait Display.

S-video output

LOGICBOARD

Main Processor: G3, 233/250
PMMU: integrated
FPU: integrated
Data Path: 64-bit, 66/83Mhz
L1 Cache: 64K
L2 Cache: (none)
Secondary Processor: none
Slots: 2 Type II PC Card (1 Type III)

*Backside bus speed 125MHz
 Slots: PC Cards slots for two Type II PC Cards or one Type II card or CardBus cards*

MEMORY

Memory on Logic Board: none
Minimum RAM: 32 MB
Maximum RAM: 192 MB
RAM Slots: 2 144-pin
Minimum RAM Speed: 10 ns
RAM Sizes: 32MB, 64MB, 128 MB
Install in Groups of: 1

*2 S0-DIMM slots supports up to 192MB
 144-pin SDRAM
 128 MB DIMM installs in top slot only*

SOFTWARE

Speech Recognition Supported

Supported Macintosh System Software:

Addressing Modes: 32-bit
Original SSW: 8.1
Original Enabler: PowerBook G3 Series 1.0

ROM ID: n/a
ROM Version: n/a
ROM Size: 4 MB
AppleTalk Version: n/a

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|---------------------------------------|-----------------------------------|---------------------------------------|--------------------------|
| <input type="checkbox"/> A/UX 1.0 | <input type="checkbox"/> NOS 1.11 | <input type="checkbox"/> ProDOS | <input type="checkbox"/> |
| <input type="checkbox"/> A/UX 1.11 | <input type="checkbox"/> NOS 1.3 | <input type="checkbox"/> GS/OS | <input type="checkbox"/> |
| <input type="checkbox"/> A/UX 2.0 | <input type="checkbox"/> NOS 2.0 | <input type="checkbox"/> NeXTStep 1.x | <input type="checkbox"/> |
| <input type="checkbox"/> A/UX 3.0.1 | <input type="checkbox"/> NOS 2.1 | <input type="checkbox"/> NeXTStep 2.x | <input type="checkbox"/> |
| <input type="checkbox"/> A/UX 4.1.4 | <input type="checkbox"/> LOS 7/7 | <input type="checkbox"/> NeXTStep 3.x | <input type="checkbox"/> |
| <input type="checkbox"/> A/UX 4.1.4.1 | <input type="checkbox"/> DOS 3.1 | <input type="checkbox"/> OpenStep | <input type="checkbox"/> |
| <input type="checkbox"/> A/UX 4.1.5 | <input type="checkbox"/> SOS 1.3 | <input type="checkbox"/> <1.0 | <input type="checkbox"/> |

SOUND

Microphone Port Type: PlainTalk
Sound In: stereo, 16-bit
Sound Out: stereo, 16-bit

Built-in Microphone

STORAGE

Floppy Size: 1.44MB
Floppy Inject: manual
Internal HD Size: 2, 4 GB
Internal HD Interface: IDE
Original CD-ROM Speed: 24x

Supports Internal CD-ROM

HISTORY

Announced in March 1998, The PowerBook G3 Series was an entirely new design, which resembled its predecessor only in name. The G3 Series was the first Built-to-Order PowerBook line, and filled Apple's PowerBook offerings, from low to high end, with a single motherboard design. The G3 Series was available with a variety of BTO options including a 233, 250 or 292 Mhz PPC750 processor and either a 12" passive-matrix screen, a 13.3" TFT Active Matrix screen, or an incredible 14.1" TFT Active Matrix Screen. All models included two RAM slots which used industry standard RAM modules (the same used in most IBM Thinkpads), hardware 2D and 3D Graphics acceleration, a VGA port, and 4Mbps IrDA. The G3 Series had a large, redesigned keyboard which included a new Function button allowing the keyboard to take on the functionality of a full size 105-key keyboard. It had 2 PC-card slots, which were CardBus compliant (a powerbook first), and the 13.3" and 14.1" models included an S-Video