



Technical Information

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Specifications for the Power Macintosh 5300/100 LC

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Main unit

Processor

- PowerPC™ 603e processor @ 100-megahertz (MHz) clock frequency

Memory

- 16 MB of dynamic random-access memory (DRAM) minimum, installed in one SIMM socket
- two 72-pin DRAM Single Inline Memory Module (SIMM) sockets; RAM can be expanded to 64 MB (80 nanoseconds)
- 4 MB ROM
- 256K Level 2 cache memory on a 64-bit PowerPC bus
- 1 MB DRAM frame buffer on board (for video support)

Disk drives

- Apple SuperDrive 1.4 MB high-density floppy disk drive
- Internal IDE hard disk drive (1/3-height)
- Internal CD-ROM player
- A combination of up to seven internal and external SCSI devices can be used.

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WARNING To avoid damage to your computer, Apple recommends that only an Apple-certified technician install additional RAM. Consult the service and support information that came with your Apple product for instructions on how to contact an Apple-authorized service provider or Apple for service. If you attempt to install additional RAM yourself, any damage you may cause to your equipment will not be covered by the limited warranty on your computer. See an Apple-authorized dealer or service provider for additional information about this or any other warranty question.

Video modes

- 640-by-480 resolution with 16-bit color
- 800-by-600 resolution with 8-bit color
- 832-by-624 resolution with 8-bit color (does not support video input)

With the optional external video connector kit, the Power Macintosh 5300/100 LC supports video mirroring on the following external monitors at 640-by-480 resolution:

- Macintosh 13" Color Display
- Apple Color Plus 14" Display
- Macintosh Color Display
- Apple Performa Plus Display
- Apple Multiple Scan 14 Display
- Apple Multiple Scan 15 Display
- Apple Multiple Scan 17 Display
- Apple Multiple Scan 20 Display
- VGA monitors (a plug adapter may be required)

You can also use all of the Apple Multiple Scan Display and SVGA monitors for video mirroring at 800-by-600 resolution.

You can use the following external monitors for video mirroring at 832-by-624 resolution:

- Apple Multiple Scan 15 Display
- Apple Multiple Scan 17 Display
- Apple Multiple Scan 20 Display

Sound

- 16-bit monophonic sound input
- 16-bit stereophonic sound output (16-bit CD stereophonic playback)
- Integrated microphone for monaural sound input
- Sound input port for microphone or line input (port accepts stereophonic input, but sound is combined into monophonic sound for play-through or recording)
- Two stereophonic sound output ports, level nominally 0.5 volts RMS into 39 ohms
- Internal stereo speakers, muted whenever a plug is inserted into either sound output port

Clock/calendar

- CMOS custom chip with battery

Keyboard

- Supports all Apple Desktop Bus (ADB) keyboards

Additional interfaces

- ADB port for keyboard, mouse, and other input devices using a low-speed, synchronous serial bus
- Two serial ports for printers, modems, and other serial devices
- High-performance SCSI port for a chain of up to seven hard disk drives, scanners, printers, and other devices
- LC-compatible 68030 processor-direct slot (96/114-pin)
- Communication slot for optional internal modem or Ethernet card (112-pin)
- Video-in slot for optional expansion card providing real-time video display, video capture, and overlay (60-pin)
- Port for optional internal TV tuner card
- Monitor-out port for video mirroring using optional external video connector kit

Additional features

- Support for optional infrared remote control
- Front panel push-button controls for volume
- Front panel stereo headphone jack
- Power on and off from keyboard and optional remote control

Laser (in CD-ROM drive)

- Semiconductor GaAlAs type
- 790 +/-25 nanometers wavelength
- 0.2 milliwatt output
- 55° beam divergence

Environment

Operating temperature

- 10° C to 40° C (50° F to 104° F)

Storage temperature

- -40° C to 47° C (-40° F to 116.6° F)

Relative humidity

- 5% to 95% noncondensing

Altitude

- Works below 3048 m (10,000 ft.)

Weight

- 21.15 kg (47 lbs)

Dimensions

- 445 mm x 383 mm x 406 mm (17.5" x 15.1" x 16")



Apple Desktop Bus power requirements

- Maximum current draw for all ADB devices is 500 milliamperes (mA)
- Mouse draws up to 10 mA
- Keyboard draws 25–80 mA (varies with model)

Note: The maximum number of ADB devices recommended in a daisy chain connected to the ADB port is three.

AC line input

- Line voltage: 100–240 volts AC, RMS, single phase, nominal
- Frequency: 50–60 hertz (Hz)
- Maximum power consumption: 125 watts



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