

Tech Info Library

TITLE

Apple Studio Display 15-inch LCD: Technical Specifications (Rev. A and B)

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TOPIC

This article provides the technical specifications for the original Apple Studio Display, and the Revision B display introduced at the 1999 San Francisco MacWorld.

The specifications for the two displays are virtually identical. Differences specific to the Rev. B display are in a separate section at the bottom of this article.

DISCUSSION

Technical Specifications

Screen size/diagonal viewable image size:

- 15.1 inches (diagonal viewable image size)

Screen type:

- Thin film transistor (TFT) active-matrix liquid crystal display

Display colors

- 16 million (maximum)

Viewing angle (typical):

- 120 degree horizontal; 90 degree vertical

Brightness (typical):

- 180 (cd/m²)

Contrast ratio (typical):

- 200:1

Resolution and screen refresh rates:

- 640 x 480 pixels at 60Hz, 67Hz, 72Hz, or 75Hz
- 720 x 400 pixels at 70Hz
- 800 x 600 pixels at 56Hz, 72Hz, or 75Hz
- 832 x 624 pixels at 75Hz
- 1,024 x 768 pixels at 60Hz, 70Hz, 74.9Hz, or 75Hz

User controls (hardware and software):

- Power on/off
- Graphics/video toggle
- Brightness
- Video source select
- Reset
- On-screen display (OSD) navigation
 - Menu select
 - Position
 - Information (display status)

- Language
- Function adjustment
- Menu off
- o On-screen display functions
 - Tracking (course, fine)
 - Position (vertical, horizontal)
 - White level
 - Black level
 - Sharpness
 - White point

Screen treatment:

- o Antistatic, antireflective coating

Connectors and cables:

- o Input:
 - 15-pin D-sub for RGB video
 - 4-pin DIN for S-video
 - RCA-type connector for composite video
 - RCA-type connectors for audio
 - 6.5mm DC connector for DC input
- o Output:
 - Mini-stereo connector for audio
- Two 4-pin DIN connectors for Apple Desktop Bus

Electrical requirements:

- o Line voltage: 100 to 120 V AC (200 to 240 V DC)
- o Frequency: 50 to 60 Hz, single phase
- o Power: 30 W (operating)

Agency approvals:

- o FCC Part 15 Class B
- o CISPR 22 Class A (EN500821f) - complies with European EMC directive
- o DOC Class B
- o MPR -II
- o VCCI Class 2
- o CE Mark
- o EPA Energy Star compliant
- o IEC 950
- o UL 1950
- o CSA 950
- o EN60950
- o NUTEK
- o TCO '95

Environmental requirements:

- o Operating temperature: 50 degree F (10 degree C) to 95 degree F (35 degree C)
- o Storage temperature: -4 degree F (-20 degree C) to 140 degree F (60 degree C)
- o Operating humidity: 20% to 80%, noncondensing
- o Storage humidity: 5% to 95%, noncondensing
- o Operating altitude: 0 to 10,000 ft. (0 to 3,048 m)
- o Shipping: 0 to 35,000 feet (0 to 10,606 m)

System requirements:

- o Works with Power Macintosh or other Mac OS-based systems with Power PC processors running Mac OS 7.5 or later*
- o Works with Windows 95- and Windows NT-based systems

* Does not work with Macintosh PowerBook 1400, 2300, 3400, or 5300 systems, nor with 680X0 or Power PC-accelerated 680X0 computers

Size and weight:

- o With desktop stand: 15.0 in. (minimum) to 19.3 in. (maximum) by 15.7 in. by 9.8 in. (38.1 cm to 49.0 cm by 39.9 cm by 24.9 cm)
- o With picture-frame stand: 11.6 in. by 15.7 in. by 6.9 in. (29.7 cm by 39.9 cm by 17.5 cm)

- With desktop stand: 10 lbs. (4.5 kg)
- With picture frame stand: 5 lbs. (2.3 kg)

Ordering Information:

Order No: M6356LL/A (azul)

- Apple Display software
- VGA-to-Macintosh adapter
- Power cord and adapter
- Picture-frame stand
- User's manual
- Limited warranty

Order No. M6356LL/B (blue and white)

- Apple Display software
- VGA-to-Macintosh adapter
- Power cord and adapter
- Picture-frame stand
- User's manual
- Limited warranty

For more information about this product, or to find out where to buy Apple products - through a reseller or from the Apple Store - visit <http://www.apple.com> or call 1-800-538-9696 in the US. In Europe please contact your local Assistance Centre.

REV. B STUDIO DISPLAY SPECIFICATIONS

Unless specifically noted below, all Rev. A specifications hold true for the Rev. B display.

Brightness (Typical)

- 200cd/m²

Resolution and screen refresh rates

- 1,024 by 768 pixels at 60Hz, 70Hz, or 75Hz

Connectors and cables

- 15-pin mini D-Sub VGA connector

Power supply electrical requirements

- Power: less than 35W (operating)

System requirements:

- Works with Power Macintosh or other Mac OS-based systems with Power PC processors running Mac OS 8.0 or later*

Size and weight

- With desktop stand: 12 lbs. (5.5 kg)
- With picture frame stand: 7.7 lbs. (3.5 kg)

Apple Studio Display: Differences Between Revisions A and B		
Feature	Apple Studio Display (rev B)	Apple Studio Display (rev A)
Brightness (typical)	200cd/m ²	180/m ²
Resolution and screen rates	1024 x 768 at 60Hz, 70Hz, or 75Hz	1024 x 768 at 60Hz, 70Hz, 74.9Hz, or 75Hz
Connectors and cables	15-pin mini D-Sub VGA connector	15-pin D-sub for RGB video
Power (operating)	less than 35 watts	less than 30 watts
System requirements	Power PC-based Macintosh running Mac OS 8.0 or later	Power PC-based Macintosh running Mac OS 7.5 or later
Weight (with desktop stand)	12 lbs. (5.5 kg)	10 lbs. (4.5 kg)
Weight (with picture frame stand)	7.7 lbs. (3.5 kg)	5 lbs. (2.3 kg)

Document Information

Product Area: Monitors-Displays
Category: Flat-Panel Displays
Sub Category: Apple Studio Display

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