
[Store](#)[Mac](#)[iPod + iTunes](#)[iPhone](#)[Downloads](#)[Support](#)[Search](#)

Apple Cinema Displays

[Overview](#)[Design](#)[Tech Specs](#)[Buy Now](#)



An Apple Cinema Display is the perfect companion for your new Mac Pro or the 17-inch MacBook Pro. Of course, two Apple displays would be even better. Featuring a sleek anodized aluminum case, one display can sit close to the next — for a virtually seamless picture. Connect your displays via industry-standard DVI and choose an optional VESA mount to install them anywhere.

Configurations

	20-inch Apple Cinema Display	23-inch Apple Cinema HD Display	30-inch Apple Cinema HD Display		
Model	M9177LL/A	M9178LL/A	M9179LL/A		
Screen size (diagonal viewable image size)	20 inches (viewable)	23 inches (viewable)	30 inches (29.7 inches viewable)		
Screen type	Thin film transistor (TFT) active-matrix liquid crystal display (AMLCD)				
Resolutions	<ul style="list-style-type: none">1680 x 1050 pixels (optimum resolution)1280 x 800 pixels1024 x 640 pixels	<ul style="list-style-type: none">1920 x 1200 pixels (optimum resolution)1280 x 800 pixels1024 x 640 pixels	<ul style="list-style-type: none">2560 x 1600 pixels (optimum resolution)2048 x 12801920 x 12001280 x 8001024 x 640		
Display colors (maximum)	16.7 million				
Viewing angle (typical)	178° horizontal; 178° vertical				
Brightness (typical)	300 cd/m2	400 cd/m2			
Contrast ratio (typical)	700:1				
Response time (typical)	14 ms				
Pixel pitch	0.258 mm		0.250 mm		
Screen treatment	Antiglare hardcoat				
User controls (hardware and software)	Display power, system sleep, system wake, brightness, and display tilt				
Cables	DVI (Digital Visual Interface), FireWire 400, USB 2.0 and DC power (24.5 V)				

Connectors	Two-port, self-powered USB 2.0 hub, two FireWire 400 ports and Kensington security port	
VESA mount adapter	Compatible with VESA FDMI (MIS-D, 100, C) compliant mounting solutions. (Requires optional Cinema Display VESA Mount Adapter, M9649G/A)	
Mac Pro compatibility	All new Mac Pro systems support two Apple Cinema Displays, including dual-link DVI for one 30-inch model. Support for two 30-inch Apple Cinema HD Displays requires two dual-link DVI ports — available in configurations with either the ATI Radeon X1900 XT or the NVIDIA Quadro FX 4500 — or by installing an additional NVIDIA GeForce 7300 GT card. Support for more than two displays requires installation of one or more additional NVIDIA GeForce 7300GT cards.	
Power Mac G5 compatibility	Any dual- or quad-core Power Mac G5 supports two Apple Cinema Displays, including dual-link DVI for one 30-inch model. Support for two 30-inch Apple Cinema HD Displays requires two dual-link DVI ports, available in configurations with the NVIDIA Quadro FX 4500 or by installing an additional NVIDIA GeForce 6600 card. Support for more than two displays requires installation of one or more additional NVIDIA GeForce 6600 cards.	
MacBook Family (aluminum unibody) compatibility	Requires Mini DisplayPort to DVI Adapter, MB570	Requires Mini DisplayPort to Dual-Link DVI Adapter, MB571
MacBook Pro compatibility	17-inch model only	
MacBook Air compatibility	MacBook Air requires Apple Micro-DVI to DVI Adapter (included)	N/A
MacBook compatibility	White model only; Requires Apple Mini-DVI to DVI Adapter, M9321G/A	N/A
iMac compatibility	Intel-based iMac models (requires Apple Mini-DVI to DVI Adapter, M9321G/A)	N/A
Mac mini compatibility	All Mac mini models	N/A
PowerBook compatibility	PowerBook G4 with DVI port	PowerBook G4 with dual-link DVI port
Limited warranty and service	Your Apple display comes with 90 days of free telephone support and a one-year limited warranty. To extend your service and support to three full years, you may register one display in the AppleCare Protection Plan when you purchase the display at the same time as a Mac Pro, MacBook Pro, or Mac mini. To cover an individual display or second display, purchase the AppleCare Protection Plan for Apple Display. Only the AppleCare Protection Plan provides you with direct telephone support from Apple technical experts and the assurance that repairs will be handled by Apple-authorized technicians using genuine Apple parts. For more information, visit Apple support or call 800-823-2775.	

Build-to-Order Options and Accessories

Extras and accessories from the online Apple Store or an authorized Apple reseller.

Adapters	Apple Mini-DVI to DVI Adapter M9321G/B
Ergonomics	VESA Mount Adapter M9649G/A
Security	Kensington Slim Kevlar MicroSaver Lock T7729LL/A
Graphics cards	<div>Mac Pro<ul style="list-style-type: none">a total of 4 NVIDIA GeForce 7300 GT cards MA567Z/AATI Radeon X1900 XT MA631Z/ANVIDIA Quadro FX 4500 (CTO only)</div> <div>Power Mac G5<ul style="list-style-type: none">ATI Radeon X1900GT Mac Edition TL142LL/ANVIDIA GeForce 6600 MA271Z/AOther cards may be installed at the time of system configuration</div>
Services	AppleCare Protection Plan MA517LL/A

Technical Specifications and Approvals

Electrical requirements <ul style="list-style-type: none">Input voltage: 100–240 VAC 50–60Hz	Size and weight <ul style="list-style-type: none">20-inch Apple Cinema Display	Agency approvals <ul style="list-style-type: none">FCC Part 15 Class B
--	--	--

<ul style="list-style-type: none">Maximum power when operating: 65W (Apple Cinema Display); 90W (Apple Cinema HD Display); 150W (Apple Cinema HD Display)Energy saver mode: 3W or less	<p>Height: 16.1 inches (41 cm)</p> <p>Width: 18.5 inches (47.1 cm)</p> <p>Depth: 6.8 inches (17.4 cm)</p> <p>Weight: 14.5 pounds (6.6 kg)</p>	<ul style="list-style-type: none">EN55022 Class BEN55024VCCI Class BAS/NZS 3548 Class BCNS 13438 Class BICES-003 Class BISO 13406 part 2MPR IIIEC 60950UL 60950CSA 60950EN60950ENERGY STARTCO 03
Environmental requirements <ul style="list-style-type: none">Operating temperature: 50° to 95° F (10° to 35° C)Storage temperature: -40° to 116° F (-40° to 47° C)Operating humidity: 20% to 80% noncondensingMaximum operating altitude: 10,000 feet	<ul style="list-style-type: none">23-inch Apple Cinema HD Display<p>Height: 17.7 inches (45 cm)</p><p>Width: 21.1 inches (53.6 cm)</p><p>Depth: 7.3 inches (18.7 cm)</p><p>Weight: 15.5 pounds (7.03 kg)</p>30-inch Apple Cinema HD Display<p>Height: 21.3 inches (54.3 cm)</p><p>Width: 27.2 inches (68.8 cm)</p><p>Depth: 8.46 inches (21.5 cm)</p><p>Weight: 27.5 pounds (12.47 kg)</p>	

Buy online now, 24 hours a day, direct from Apple. Or call 1-800-MY-APPLE.

Buy Now

Test drive Apple Cinema Displays at an Apple retail store.

Visit an Apple Store

Find your Local Authorized Reseller.

City and State or Zip

	Mac	Cinema Displays	Technical Specifications			
Considering a Mac	Macs	Wi-Fi Base Stations	MobileMe	Applications	Developer	Support
Why you'll love a Mac	Mac Pro	AirPort Express	Learn more	iLife	Developer Connection	Where can I buy a Mac?
Which Mac are you?	Mac mini	AirPort Extreme		iWork	Membership Info	AppleCare
FAQs	MacBook	Time Capsule	Mac OS X	Aperture	Products Guide	Online Support
Watch the ads	MacBook Pro	Which Wi-Fi are you?	10.5 Leopard	Final Cut Studio		Telephone Sales
	MacBook Air		Accessibility	Final Cut Server	Markets	Personal Shopping
Find out how	MacBook White	Servers	QuickTime	Final Cut Express	Creative Pro	Genius Bar
Mac Basics	MacBook Pro 17"	Servers Overview	Movie Trailers	Logic Studio	Education	Workshops
Photos	iMac	Xserve	QuickTime Player	Logic Express	Science	One to One
Movies		Xsan	QuickTime Pro	Shake	Business	ProCare
Web	Accessories	Mac OS X Server		Remote Desktop	IT Pro	
Music	Mighty Mouse					
iWork	Keyboard					
	LED Cinema Display					
	Cinema Displays					