



Dell | Displays

Quality

Dell-branded monitors are designed to our exacting quality standards and manufactured by the world's foremost suppliers, who must pass Dell's stringent quality audit. All Dell monitors meet or exceed relevant industry standards.

Reliability

Dell-branded monitors undergo exhaustive testing for performance, reliability, durability and compatibility with Dell systems. Under our H.A.L.T (Highly Accelerated Life Cycle Testing) regimen, Dell engineers push our monitors well past specified tolerance limits for heat, cold, vibration, shocks and drops, to ensure that they can withstand real-world conditions.

Price-Performance Value

Dell's enormous buying power and direct business model allows us to offer high quality monitors at low prices. Dealing with Dell, the world's largest Flat Panel provider¹, means a single point of contact and accountability, and the peace of mind of purchasing from a stable and reliable technology partner.

Dell™ E228WFP flat panel monitor's fast 5ms response time, high contrast ratio and 1680x1050 resolution lets you view images, documents, graphics and video with stunning detail, vivid colour and smooth motion. This price/performance wide-aspect LCD monitor is another reason why Dell is the World's #1 source for flat-panel displays.¹ It offers a slim and trim profile that can fit easily into your home or office environment.

Outstanding Screen Performance

• **22" Wide-Aspect Screen Size**

- About 19% more viewing area than Dell E207WFP Flat Panel Display.²

• **Fast response time with less smearing and ghosting than traditional flat panel displays.**

- 5ms typical

• **High contrast ratio resulting in excellent colour accuracy and uniformity.**

- 800:1 typical

• **Resolution 1680 x 1050 can provide excellent entertainment and multimedia experience.**

- About 34% more content compared to Dell E197FP.³

- About 36% more content compared to a typical 19 inch widescreen flat panel.⁴

Excellent Multimedia, Video and Graphics Experience

• **DVI (Digital Video Interface) Connector with HDCP (High-Bandwidth Digital Copy Protection) Ready**

- DVI helps ensure high quality image (less jitter), and stupendous colour uniformity.

- HDCP helps enable viewing of protected high-definition content.

• **Optional Dell flat panel attached multimedia soundbar AS501PA**

- Great audio experience with easy attachment of quality Dell flat panel attached multimedia soundbar.

Designed for Comfort and Convenience

• **Tilt adjustability** - 4° forward and 21° backward

• **Dell-Designed Display Enhancements**

- Slim black bezel designed to fit into most working environments and on most desktops.

- Easy display detachment from stand can enable panel to be wall-mounted (VESA standard 100mm, wall mount sold separately.)

- Built-in power and cable management feature helps to keep desk clutter-free.



DETAILED SPECIFICATIONS

Product Category	Flat Panel Display
Model Name and Number	E228WFP
Monitor Size (Viewable Image Screen)	22 inches (22-inch viewable image size)
Pixel Pitch	0.282 mm
Response Time (Typical)	5ms
Preset Display Area:	
Horizontal	473.76 mm (18.65 inches)
Vertical	296.1 mm (11.66 inches)
Viewing Angle (Typical)	160 degrees (vertical), 160 degrees (horizontal)
Luminance (Brightness)	300cd/m ² Typical
Contrast Ratio (Typical)	800:1
Horizontal Scan Frequency kHz	30 kHz to 83 kHz (automatic)
Vertical Scan Frequency Hz	56 Hz to 75 Hz (automatic)
Optimal Resolution	1680 x 1050 at 60 Hz
Preset Display Modes:	
VESA, 720 x 400	31.5 kHz Horizontal, 70.0 Hz Vertical, 28.3 MHz
VESA, 640 x 480	31.5 kHz Horizontal, 60.0 Hz Vertical, 25.2 MHz
VESA, 640 x 480	37.5 kHz Horizontal, 75.0 Hz Vertical, 31.5 MHz
VESA, 800 x 600	37.9 kHz Horizontal, 60.3 Hz Vertical, 49.5 MHz
VESA, 800 x 600	46.9 kHz Horizontal, 75.0 Hz Vertical, 49.5 MHz
VESA, 1024 x 768	48.4 kHz Horizontal, 60.0 Hz Vertical, 65.0 MHz
VESA, 1024 x 768	60.0 kHz Horizontal, 75.0 Hz Vertical, 78.8 MHz
VESA, 1152 x 864	67.5 kHz Horizontal, 75.0 Hz Vertical, 108 MHz
VESA, 1280 x 1024	64.0 kHz Horizontal, 60.0 Hz Vertical, 135 MHz
VESA, 1280 x 1024	80.0 kHz Horizontal, 75.0 Hz Vertical, 135 MHz
VESA, 1600 x 1200	Not applicable
VESA, 1680 x 1050	65.0 kHz Horizontal, 60.0 Hz Vertical, 146.25 MHz
Connector Type	Analog, DVI-D (Digital) with HDCP
Stand	Tilt
VESA Mounting Support	YES (100mm)
Dimensions (Height x Width x Depth) Inch	16.1 x 20.12 x 5.87
Dimensions (Height x Width x Depth) mm	409.1 x 511.14 x 149.16
Weight (Monitor Only)	5.00 kg (11.01 lbs)
Weight (with packaging)	10.00 kg (22.03 lbs)
AC input voltage	100 to 240 VAC / 50 or 60 Hz + 3 Hz / 1.5A
Operating (Typical Maximum)	
- Active Off	Less than 2W
- Switched Off	Less than 1W

Recycling: Dell recommends that customers dispose of their used computer hardware, including monitors, in an environmentally sound manner. Potential methods include reuse of parts or whole products and recycling of product, components and/or materials. For more information, please visit http://dell.com/recycling_programs and www.dell.com/environment.



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1. DisplaySearch Q2 2006 Quarterly Desktop Monitor Report, "No.1 Worldwide LCD Monitor Shipment Brand Ranking for Q1 2006", May 2006.
2. 19% More Viewing Area Claim: Viewing area comparison based on Dell E228WFP display area in comparison to Dell UltraSharp 2007WFP, (~473.8mm x ~296.1mm) or (~18.7 inches x ~11.7 inches) versus (~433.4mm x ~270.1mm) or (~17.1 inches x ~10.7 inches) respectively (Width x Height).
3. 34% more content claim: Content comparison based on Dell E228WFP pixel count of 1,764,000 (1680 Horizontal x 1050 Vertical) and Dell E197FP pixel count of 1,310,720 (1280 Horizontal x 1024 Vertical).
4. 36% more content claim: Content comparison based on Dell E228WFP pixel count of 1,764,000 (1680 Horizontal x 1050 Vertical) and 19 inch widescreen flat panel pixel count of 1,296,000 (1440 Horizontal x 900 Vertical).

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