



Dell Entry Flat Panel E157FP / E177FP / E197FP



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 all 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 the highest 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™ Entry Flat Panel Displays E157FP/E177FP/E197FP carry forward the value proposition of the E156FP/E176FP/E196FP – the latest flat panel technology at an affordable price point. This range of entry flat panel displays has a sleek black and slim Dell Industrial Design and its improved panel specifications will help to enhance your viewing experience.

Latest Flat Panel Technology at an Affordable Price

• **Entry Flat Panels 17" / 19" Screen Size**

- 177FP: About 31% more viewing area than Dell 15" flat panel displays.²

- 197FP: About 25% more viewing area than Dell 17" flat panel displays.³

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

- E157FP ~ 16ms typical / E177FP ~ 8ms typical / E197FP ~ 8ms typical

• **High contrast ratio resulting in greater color accuracy and uniformity.**

- E157FP ~ 450:1 typical / E177FP ~ 450:1 typical / E197FP ~ 500:1 typical

• **High Resolution can provide excellent entertainment and multimedia experience.**

- E177FP & E197FP (1280 x 1024 resolution): About 66%⁴ more content compared to Dell 15" monitor.

• **Sleek Black and Slim Dell Industrial Design**

• **Maximizes viewing experience and minimizes the space occupied by the display.**

- Ultra-thin 17mm bezel

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

• **Excellent Viewing Flexibility**

- Display screen can be tilted 4° forward and 21° backwards for viewing comfort.

• **Optional Accessories**

- Compatible with Dell AS501PA Flat Panel Attached Sound Bar adds multimedia capabilities to the flat panel display – 10 watts of total output. The AS501PA has an external power brick.

Dell Entry Flat Panel Display Series:

Dell Entry	Detailed Description
E157FP	15" Analog Flat Panel Display
E177FP	17" Analog Flat Panel Display
E197FP	19" Analog Flat Panel Display





DETAILED SPECIFICATIONS

Dell Flat Panels	Dell E157FP	Dell E177FP	Dell E197FP
Panel			
Screen Type	Active matrix - TFT LCD	Active matrix - TFT LCD	Active matrix - TFT LCD
VIS (Viewable Image Size)	15 inches (15-inch viewable image size)	17 inches (17-inch viewable image size)	19 inches (19-inch viewable image size)
Pixel Pitch	0.297 mm	0.264 mm	0.294 mm
Typical Response Time	16ms typical	8ms typical	8ms typical
<u>Preset Display Area:</u>			
Horizontal	304.1 mm (11.9inches)	337.9 mm (13.3 inches)	376.3 mm (14.8 inches)
Vertical	228.1 mm (8.9 inches)	270.3 mm (10.6 inches)	301.1 mm (11.8 inches)
Viewing Angle	100° (vertical) typical, 130° (horizontal) typical	120° (vertical) typical, 140° (horizontal) typical	130° (vertical) typical, 140° (horizontal) typical
Luminance (Brightness)	250 cd/m2 typical	300 cd/m2 typical	300 cd/m2 typical
Contrast Ratio	450 : 1 typical	450 : 1 typical	500 : 1 typical
Faceplate coating	Anti-glare with hard-coating 3H	Anti-glare with hard-coating 3H	Anti-glare with hard-coating 3H
Backlights	2 CCFL	4 CCFL type	4 CCFL type
Number of Colors	16.2 Million	16.2 Million	16.2 Million
Panel Technology	TN (Twisted Nematic)	TN (Twisted Nematic)	TN (Twisted Nematic)
Resolution			
Horizontal scan range	30 kHz to 63 kHz (automatic)	30 kHz to 81 kHz (automatic)	30 kHz to 81 kHz (automatic)
Vertical scan range	56 Hz to 76 Hz (automatic)	56 Hz to 76 Hz (automatic)	56 Hz to 76 Hz (automatic)
Optimal preset resolution	1024 x 768 at 60 Hz	1280 x 1024 at 60 Hz	1280 x 1024 at 60 Hz
Highest preset resolution	1024 x 768 at 75 Hz	1280 x 1024 at 75 Hz	1280 x 1024 at 75 Hz
Preset Display Modes			
Display Modes			
VGA, 720 x 400	31.5 kHz Horizontal, 70.1 Hz Vertical	31.5 kHz Horizontal, 70.1 Hz Vertical	31.5 kHz Horizontal, 70.1 Hz Vertical
VGA, 640 x 480	31.5 kHz Horizontal, 60 Hz Vertical	31.5 kHz Horizontal, 59.9 Hz Vertical	31.5 kHz Horizontal, 59.9 Hz Vertical
VESA, 640 x 480	37.5 kHz Horizontal, 75.0 Hz Vertical	37.5 kHz Horizontal, 75.0 Hz Vertical	37.5 kHz Horizontal, 75.0 Hz Vertical
VESA, 800 x 600	37.9 kHz Horizontal, 60.3 Hz Vertical	37.9 kHz Horizontal, 60.3 Hz Vertical	37.9 kHz Horizontal, 60.3 Hz Vertical
VESA, 800 x 600	46.9 kHz Horizontal, 75.0 Hz Vertical	46.9 kHz Horizontal, 75.0 Hz Vertical	46.9 kHz Horizontal, 75.0 Hz Vertical
VESA, 1024 x 768	48.4 kHz Horizontal, 60.0 Hz Vertical	48.4 kHz Horizontal, 60.0 Hz Vertical	48.4 kHz Horizontal, 60.0 Hz Vertical
VESA, 1024 x 768	60.0 kHz Horizontal, 75.0 Hz Vertical	60.0 kHz Horizontal, 75.0 Hz Vertical	60.0 kHz Horizontal, 75.0 Hz Vertical
VESA, 1152 x 864	Not applicable	67.5 kHz Horizontal, 75.0 Hz Vertical	67.5 kHz Horizontal, 75.0 Hz Vertical
VESA, 1280 x 1024	Not applicable	64.0 kHz Horizontal, 60.0 Hz Vertical	64.0 kHz Horizontal, 60.0 Hz Vertical
VESA, 1280 x 1024	Not applicable	80.0 kHz Horizontal, 75.0 Hz Vertical	80.0 kHz Horizontal, 75.0 Hz Vertical



DETAILED SPECIFICATIONS

Dell Flat Panels	Dell E157FP	Dell E177FP	Dell E197FP
Physical Characteristics			
Signal cable type	Detachable, D-sub, 15pin, attached to the monitor	Detachable, D-sub, 15pin, attached to the monitor	Detachable, D-sub, 15pin, attached to the monitor
Connector type	15-pin D-subminiature (blue)	15-pin D-subminiature (blue)	15-pin D-subminiature (blue)
VESA Mounting Support	Yes (100mm)	Yes (100mm)	Yes (100mm)
Dimensions:			
Height (compressed/locked in landscape mode)	337.28mm (13.29 inches)	380.64 mm (14.99 inches)	401.3 mm (15.8 inches)
Width	340.29mm (13.41 inches)	374.7 mm (14.75 inches)	412.7 mm (16.2 inches)
Depth	132.58mm (5.22 inches)	<140.0 mm (5.51 inches)	144.4 mm (5.7 inches)
Weight (monitor only)	2.45 kg (5.4 lb)	4.0 kg (8.8 lb)	4.1 kg (9.0 lb)
Weight (with packaging)	5.1kg (11.2 lb)	6.4 kg (14.1 lb)	6.6 kg (14.6 lb)
Environmental			
Power Usage:			
AC input voltage	100~240 VAC/ 50/ 60 Hz	100~240 VAC/ 50/ 60 Hz	100~240 VAC/ 50/ 60 Hz
Operating (Typical - Maximum)	20W - 26W	34W - 40W	38.1W - 40.6W
Active Off	<=1W	<=2 W	<=2 W
Switched Off	<=1W	<=1W	<=1W
Temperature:			
Operating	5° to 35°C (41° to 95°F)	5° to 35°C (41° to 95°F)	5° to 35°C (41° to 95°F)
Non-operating (Shipping Conditions)	-20° to 60°C (-4° to 140°F)	-20° to 60°C (-4° to 140°F)	-20° to 60°C(-4° to 140°F)
Humidity:			
Operating	10% to 80% (non-condensing)	10% to 80% (non-condensing)	10% to 80% (non-condensing)
Non-operating (Shipping Conditions)	5% to 90% (non-condensing)	5% to 90% (non-condensing)	5% to 90% (non-condensing)
Altitude:			
Operating	3,658 m (12,000 ft)	3,657.6 m (12,000 ft) max	3,657.6m (12,000 ft) max
Non-operating (Shipping Conditions)	12,192 m (40,000 ft)	12,192 m (40,000 ft)	12,192 m (40,000 ft)



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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.Dell UltraSharp 1505FP and Dell E157FP, 15” Flat Panel Display’s preset display area in comparison to Dell E177FP, ~304mm or ~12inches (Width, W) x ~228mm or ~9inches (Height, H) versus ~337mm or ~13inches (W) x ~270mm or ~11inches (H) respectively.

3.Dell UltraSharp1707FP and Dell E177FP, 17” Flat Panel Display’s preset display area in comparison to Dell E197FP, ~337mm or ~13inches (Width, W) x ~270mm or ~11inches (Height, H) versus ~376mm or ~15inches (W) x ~301mm or ~12inches (H) respectively.

4.Content area determined by total pixel count per given area. Dell UltraSharp 1505FP and Dell E157FP, 15” Flat Panel Display’s resolution in comparison to Dell UltraSharp 1707FP / 1907FP and Dell E177FP / E197FP, 17”/19” Flat Panel Display’s, 1024 x 768 pixels versus 1280 x 1024 pixels respectively.

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