

# Dell Mainstream LCD Displays E156FP, E176FP and E196FP



## Why choose Dell™?

**Dealing with Dell means literally one thing – a single point of contact and accountability for all your computing requirements – from systems to services, peripherals and support. This helps you to reduce the time, management and associated administration costs of dealing with multiple vendors and the peace of mind of purchasing from a stable and reliable technology partner.**



Dell E156FP with optional AS501PA soundbar



Dell E176FP



Dell E196FP

## Dell Monitors

Choosing a monitor shouldn't be an afterthought. A monitor purchase decision can have a huge impact on user productivity and comfort for many years, because often when computer systems are replaced, the same monitor remains in service.

### Why buy Dell monitors?

Whether choosing monitors to pair with new Dell systems or to purchase separately, the Dell brand is the right choice. Here's why:

#### 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-branded 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 have more than enough durability to hold up under real-world conditions.

#### Price-performance value

Dell's enormous buying power and direct business model allow us to offer the highest-quality monitors at low prices.

#### LCD flat-panel monitors

With Dell flat-panel LCD monitors, you get bright, distortion-free images with maximum image in minimum space. Lower power consumption means over 50% power-saving on running costs versus an equivalent-sized CRT display. You can achieve up to 75% space savings and at least 70% weight reduction against equivalent CRTs, allowing you to use more desk space and have great portability if desired. Ergonomic design, low emissions and energy-saving features ensure that all Dell monitors meet the most stringent regulations.

#### Features available on all Dell monitors

##### On-screen display

Advanced auto-adjust function makes set-up easy – the display will change its settings for optimal performance. The icon-based menu system also allows the user to make fine adjustments to suit their own requirements.

##### Plug and Play

DDC2Bi for ease of use and quick setup.





# Specifications



<b>MODEL NAME AND NUMBER</b>	Dell E156FP	Dell E176FP	Dell E196FP
<b>MONITOR SIZE</b>	15" (38.1cm)	17" (43.2cm)	19" (48.3cm)
<b>MONITOR TYPE</b>	Active Matrix TFT	Active Matrix TFT	Active Matrix TFT
<b>NATIVE RESOLUTION</b>	1024x768	1280x1024	1280x1024
<b>PIXEL PITCH MM</b>	0.297mm	0.264mm	0.294mm
<b>RESPONSE TIME</b>	16ms	12ms	8ms
<b>BRIGHTNESS (CD/M<sup>2</sup>) (TYPICAL)</b>	250 cd/m <sup>2</sup>	300 cd/m <sup>2</sup>	300 cd/m <sup>2</sup>
<b>CONTRAST RATIO (TYPICAL)</b>	450:1	450:1	500:1
<b>HORIZONTAL VIEWING ANGLE</b>	130°	140°	135°
<b>VERTICAL VIEWING ANGLE</b>	100°	120°	140°
<b>HORIZONTAL SCAN RANGE kHz</b>	30-63kHz	31-81kHz	30-81kHz
<b>VERTICAL SCAN RANGE Hz</b>	56-76Hz	56-76Hz	56-76Hz
<b>TCO EMISSION COMPLIANCE</b>	TCO'99	TCO'99	TCO'99
<b>COLOURS AVAILABLE</b>	Midnight Grey	Midnight Grey	Midnight Grey
<b>DIMENSIONS (HXWXD) MM</b>	337x340x133mm	380x375x137mm	410x413x144mm
<b>WEIGHT (MONITOR ONLY)</b>	2.5kg	4.0kg	4.1kg
<b>TILT/SWIVEL BASE</b>	Tilt	Tilt	Tilt
<b>ON-SCREEN DISPLAY (OSD)</b>	Yes	Yes	Yes
<b>INTERFACES</b>	Analogue	Analogue	Analogue
<b>NUMBER OF COLOURS</b>	16.2 million	16.2 million	16.7 million
<b>AUDIO</b>	AS501PA compatible	AS501PA compatible	AS501PA compatible
<b>VESA MOUNTING</b>	Yes (100mm)	Yes (100mm)	Yes (100mm)
<b>PLUG &amp; PLAY ENABLED</b>	Yes	Yes	Yes
<b>KENSINGTON LOCK SLOT</b>	Yes	Yes	Yes
<b>SETUP ADJUSTMENT</b>	Yes	Yes	Yes
<b>SELF-TEST</b>	Yes	Yes	Yes
<b>POWER MANAGEMENT</b>	Yes	Yes	Yes
<b>POWER CONSUMPTION</b>	26W (max)	40W (max)	40W (max)
<b>CONNECTOR TYPE</b>	15-pin D-sub miniature	15-pin D-sub miniature	15-pin D-sub miniature



Dell E156FP



Dell E176FP



AS501PA sound bar

**These monitors comply with the following recognised certifications:**

**Safety Certifications:** UL 1950; NOM; CE Mark-EN60950; IEC 950; CCC, TÜV-GS; NEMKO; GOST; PSB; TÜV-S; SASO; SII, SABS

**EMC Certifications:** FCC Part 15 Class B; CE Mark-EN55022:1998, EN55024:1998, EN61000-3-2:1995, EN61000-3-3:1995; VCCI Class B ITE; MIC; BSMI; ICES-003; C-Tick

**Ergonomics and Environmental:** ENERGY STAR®; TCO'99, ISO 13406-2 Class 2

**For detailed environmental information go to: [www.dell.com/environment\\_datasheets](http://www.dell.com/environment_datasheets)**

## MODEL NAME AND NUMBER

## MONITOR SIZE

## MONITOR TYPE

## NATIVE RESOLUTION

## PIXEL PITCH MM

## RESPONSE TIME

## BRIGHTNESS (CD/M<sup>2</sup>) (TYPICAL)

## CONTRAST RATIO (TYPICAL)

## HORIZONTAL VIEWING ANGLE

## VERTICAL VIEWING ANGLE

## HORIZONTAL SCAN RANGE kHz

## VERTICAL SCAN RANGE Hz

## TCO EMISSION COMPLIANCE

## COLOURS AVAILABLE

## DIMENSIONS (HXWXD) MM

## WEIGHT (MONITOR ONLY)

## TILT/SWIVEL BASE

## ON-SCREEN DISPLAY (OSD)

## INTERFACES

## NUMBER OF COLOURS

## AUDIO

## VESA MOUNTING

## PLUG & PLAY ENABLED

## KENSINGTON LOCK SLOT

## SETUP ADJUSTMENT

## SELF-TEST

## POWER MANAGEMENT

## POWER CONSUMPTION

## CONNECTOR TYPE

## REGULATORY INFORMATION