

About Your Monitor





Dell™ IN1910N Flat Panel Monitor User's Guide

- Package Contents
- Product Features
- Identifying Parts and Controls
- Monitor Specifications
- Plug and Play Capability
- LCD Monitor Quality & Pixel Policy
- Maintenance Guidelines

Package Contents

Your monitor ships with the components shown below. Ensure that you have received all the components and [contact Dell](#) if something is missing.

 **NOTE:** Some items may be optional and may not ship with your Monitor. Some features or media may not be available in certain countries.

	<ul style="list-style-type: none"> ● Monitor with stand
	<ul style="list-style-type: none"> ● Power Cable
	<ul style="list-style-type: none"> ● VGA Cable
	<ul style="list-style-type: none"> ● Drivers and Documentation media ● Quick Setup Guide ● Safety Information

Product Features

The **IN1910N** flat panel display has an active matrix, thin-film transistor (TFT), liquid crystal display (LCD). The monitor features include:

- 18.5-inch (469.9 mm) viewable area display.
- 1366 x 768 resolution, plus full-screen support for lower resolutions.
- Tilt adjustment capability.
- Removable pedestal and Video Electronics Standards Association (VESA) 100 mm mounting holes for flexible mounting solutions.
- Plug and play capability if supported by your system.
- On-Screen Display (OSD) adjustments for ease of set-up and screen optimization

- On-screen display (OSD) adjustments for ease of set up and screen optimization.
- Software and documentation CD which includes an information file (INF), Image Color Matching File (ICM), and product documentation.
- Energy Saver feature for Energy Star compliance.
- Security lock slot.

Identifying Parts and Features

Front View

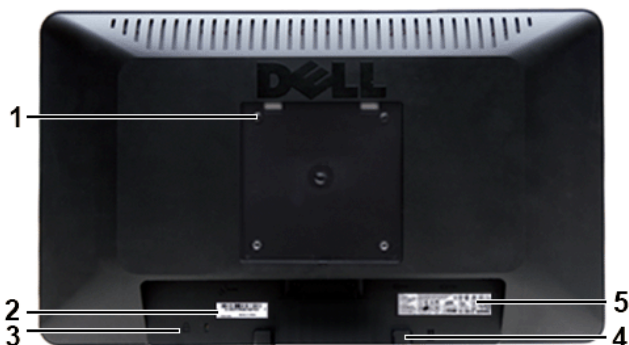


Front View

Front panel controls

Label	Description
	Shortcut keys
1-2	*The default settings are Preset Modes Select and Brightness/Contrast Select.
1	Preset Modes Select
2	Brightness/Contrast Select
3	OSD menu select
4	EXIT
5	Power button (with power light indicator)

Back View



Back view

Label	Description/Use
1	VESA mounting holes (100 mm) (behind attached base plate) To mount the monitor.
2	Barcode serial number label To contact Dell for technical support.
3	Security lock slot To help secure your monitor.
4	Dell Soundbar mounting brackets To attach the optional Dell Soundbar.
5	Regulatory rating label Lists the regulatory approvals.

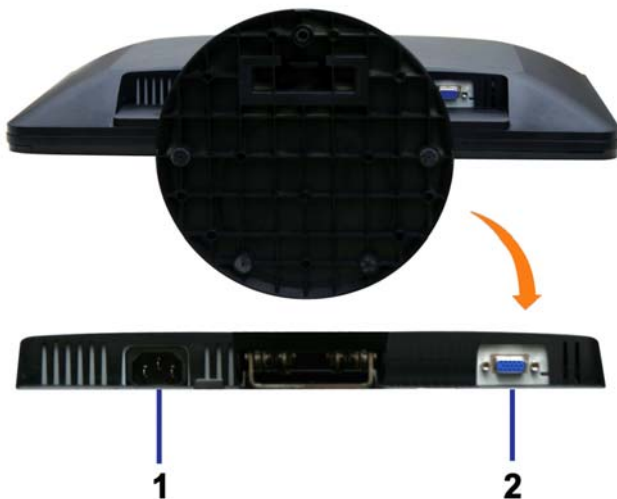
Side View



Right side

Left side

Bottom View



Bottom view

Label	Description
1	AC power cord connector
2	VGA connector

Monitor Specifications

Power Management Modes

If you have VESA's DPMS™ compliance display card or software installed in your PC, the monitor can automatically reduce its power consumption when not in use. This is referred to as Power Save Mode. If input from a keyboard, mouse or other input devices is detected by the computer, the monitor will automatically "wake up". The following table shows the power consumption and signaling of this automatic power-saving feature:

VESA Modes	Horizontal Sync	Vertical Sync	Video	Power Indicator	Power Consumption
Normal operation	Active	Active	Active	White	16 W (maximum)
Active-off mode	Inactive	Inactive	Blanked	Amber	Less than 1 W
Switch off	-	-	-	Off	Less than 1 W

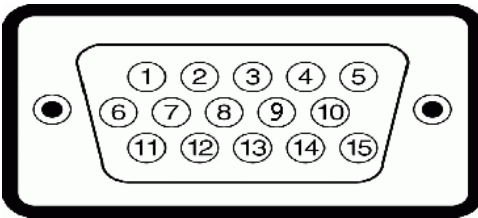
NOTE: This monitor is ENERGY STAR®-compliant.



NOTE: Zero power consumption in OFF mode can only be achieved by disconnecting the main cable from the monitor.

Pin Assignments

VGA Connector



Pin Number	15-pin Side of the Connected Signal Cable
1	Video-Red
2	Video-Green
3	Video-Blue
4	GND
5	Self-test
6	GND-R
7	GND-G
8	GND-B
9	Computer 5V/3.3V
10	GND-sync
11	GND
12	DDC data
13	H-sync
14	V-sync
15	DDC clock

Flat Panel Specifications

Screen type	Active matrix - TFT LCD
Panel type	TN
Screen dimensions	18.5 inches (18.5-inch viewable image size)
Preset display area:	
Horizontal	409.8 mm (16.1 inches)
Vertical	230.4 mm (9.1 inches)
Pixel pitch	0.30 mm
Viewing angle	160° (vertical) typical, 160° (horizontal) typical
Luminance output	250 CD/m ² (typical)
Contrast ratio	1000 to 1 (typical)

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Faceplate coating	Antiglare with hard-coating 3H
Backlight	CCFL edgelight system
Response Time	5 ms typical
Color Depth	16.7 mil colors
Color Gamut	85 %*

* IN1910N Color Gamut (Typical) is based on CIE1976 (85%) and CIE1931 (72%).

Resolution

Horizontal scan range	30 kHz to 83 kHz (automatic)
Vertical scan range	56 Hz to 76 Hz (automatic)
Maximum preset resolution	1366 x 768 at 60 Hz

Preset Display Modes

Display Mode	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Pixel Clock (MHz)	Sync Polarity (Horizontal/Vertical)
VGA, 720 x 400	31.5	70.0	28.3	-/+
VGA, 640 x 480	31.5	60.0	25.2	-/-
VESA, 640 x 480	37.5	75.0	31.5	-/-
VESA, 800 x 600	37.9	60.3	40.0	+/+
VESA, 800 x 600	46.9	75.0	49.5	+/+
VESA, 1024 x 768	48.4	60.0	65.0	-/-
VESA, 1024 x 768	60.0	75.0	78.8	+/+
VESA, 1366 x 768	47.7	59.8	85.5	+/+

Electrical

Video input signals	Analog RGB, 0.7 Volts +/- 5%, positive polarity at 75 ohm input impedance
Synchronization input signals	Separate horizontal and vertical synchronizations, polarity-free TTL level, SOG (Composite SYNC on green)
AC input voltage/frequency/current	100 to 240 VAC/50 or 60 Hz \pm 3 Hz/2.0A (Max.)
Inrush iso surge current	120 V: 30 A (Max.) 240 V: 60 A (Max.)

Physical Characteristics

Connector type	<ul style="list-style-type: none"> D-sub: blue connector
Signal cable type	<ul style="list-style-type: none"> D-sub: Detachable, Analog, 15 pin, shipped attached to the monitor
Dimensions (with stand)	
Height	344.0 mm (13.54 inches)
Width	453.7 mm (17.86 inches)
Depth	204.8 mm (8.06 inches)
Dimensions (without stand)	
Height	273.8 mm (10.78 inches)
Width	453.7 mm (17.86 inches)
Depth	59.2 mm (2.33 inches)
Stand dimensions	
Height	129.4 mm (5.09 inches)
Width	204.8 mm (8.06 inches)
Depth	204.8 mm (8.06 inches)

Weight	
Weight with packaging	4.7 kg (10.36 lb)
Weight with stand assembly and cables	4.1 kg (9.04 lb)
Weight without stand assembly (for wall mount or VESA mount considerations - no cables)	3.4 kg (7.5 lb)
Weight of stand assembly	0.35 kg (0.77 lb)

Environmental

Temperature	
Operating	0° to 40° C (32° to 104° F)
Non-operating	Storage: -20° to 60° C (-4° to 140° F) Shipping: -20° to 60° C (-4° to 140° F)
Humidity	
Operating	10% to 80% (non-condensing)
Non-operating	Storage: 5% to 90% (non-condensing) Shipping: 5% to 90% (non-condensing)
Altitude	
Operating	3,048 m (12,000 ft) max
Non-operating	9,144 m (40,000 ft) max
Thermal dissipation	
	85.32 BTU/hour (maximum) 54.61 BTU/hour (typical)

Plug and Play Capability

You can install the monitor in any Plug and Play-compatible system. The monitor automatically provides the computer system with its Extended Display Identification Data (EDID) using Display Data Channel (DDC) protocols so that the system can configure itself and optimize the monitor settings. If required, the user can select different settings, but in most cases monitor installation is automatic.