Technical Specifications
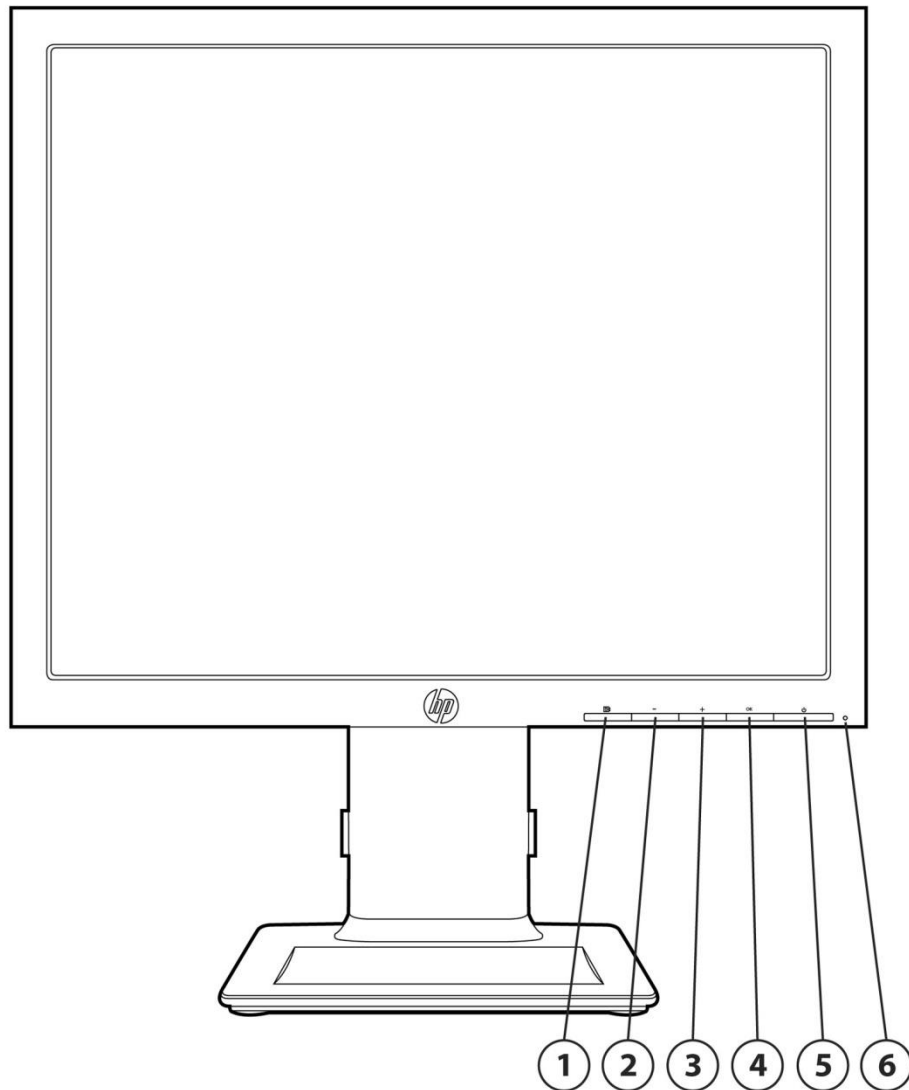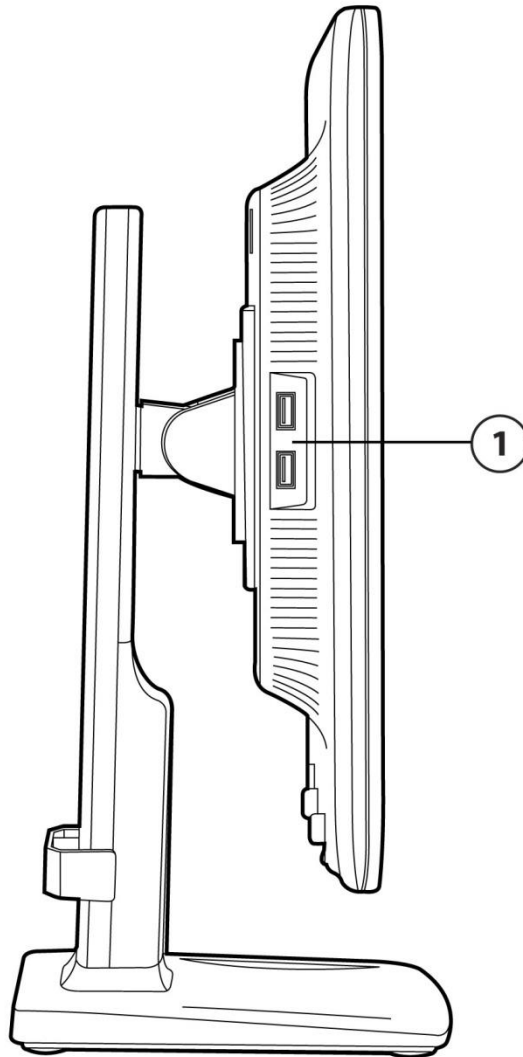
HP EliteDisplay E190i 18.9-inch 5:4 LED Backlit IPS Monitor

1. Menu/Select
2. "-" OSD Navigation/Auto Adjust
3. "+" OSD Navigation/Input Select
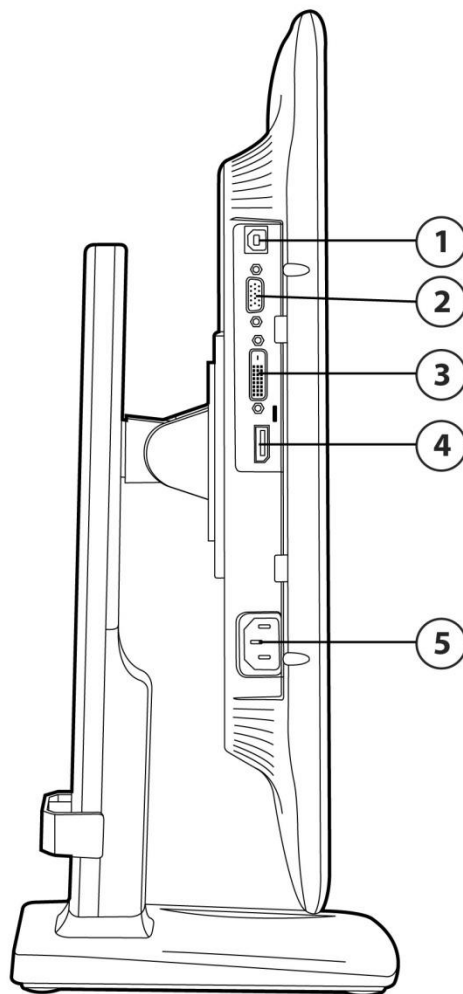4. OK
5. Power
6. Power LED

Technical Specifications

Side view

1. USB 2.0 ports
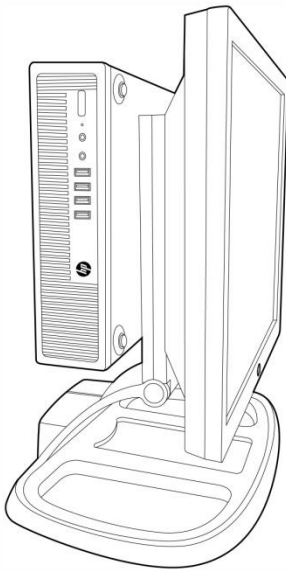
QuickSpecs

Technical Specifications

Pivot view (monitor pivoted to reveal bottom ports)

1.   USB upstream connector
2.   VGA connector
3.   DVI-D connector

4.   DisplayPort connector
5.   Power connector

Technical Specifications

Your ideal compact, space saving configuration begins with a HP EliteDisplay E190i monitor combined with an HP Integrated Work Center Stand – USDT/Thin Clients (LH526AA) with attached Ultra Slim Desktop or Thin Client PC for a small footprint, All-in-Two form factor.

Models
Part Number: E4U30AA, E4U30A8, E4U30AP, E4U30AC, E4U30AT, E4U30AS

Introduction
The HP ProDisplay E190i helps you be more productive with a mission critical 5:4 aspect ratio business monitor designed for all of your business-specific applications, now with the impeccable presentation and extra-wide viewing angles of IPS wide viewing angle technology. Enjoy customizable comfort from a completely adjustable stand and be environmentally responsible with designed-in energy efficiency.

Key Benefits
- Keep the 5:4 aspect ratio that your business-specific enterprise and public sector applications are designed to work with
- Get great 178-degree viewing angles and stunning color integrity from In-Plane Switching (IPS) technology
- Get crisp, clear views of your content with 1280 x 1024 resolution, fast response time, and 3 M:1 dynamic contrast ratio
    - Quickly and easily connect to your media and devices with DisplayPort 1.2, VGA and DVI inputs and USB 2.0 Hub
    - Reduce power consumption and help lower your costs with an intelligent, energy-efficient design that is ENERGY STAR® and TCO qualified and EPEAT® 2019 Registered.

Technical Specifications

Panel	Type	IPS w/LED backlight
	Viewable Image Area (diagonal)	**48 cm** (18.9 in)
	Panel Active Area (WxH)	**37,47 x 29,98 cm** (14.75 x 11.8 in)
	Aspect Ratio	5:4
	Viewing Angle (typical)*	Up to 178° horizontal/178° vertical (10:1 contrast ratio)
	Brightness (typical)*	250 cd/m²
	Dynamic Contrast Ratio (typical)	3,000,000:1
	Contrast Ratio (typical)*	1000:1
	Response Time (typical)*	8 ms (gray to gray)
	Pixel Pitch	0.2928 mm
	Backlight Lamp Life (to half brightness)	30K hours
	Color Gamut	72%
	Color Support**	Can display up to 16.7 million colors

* All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.
** With the use of FRC technology.

Video/Other Inputs	Plug and Play	Yes
	USB 2.0 Hub	Self-powered; two ports (cable included)
	USB Cable	**1,8 m** (5.9 ft); detached
	Input Connectors	Three connectors: (1) 15-pin mini D-sub analog VGA and (1) DVI-D and (1) Display Port(select regions)
	Input Impedance	75 ohms ± 2%
	Sync Input	Separate sync (HSYNC/VSYNC)
	Video Cables	VGA, DisplayPort(select regions)
	Video Cable Length	**1,8 m** (5.9 ft); detached
Signal Interface/ Performance	**Horizontal Frequency**	53 to 82 kHz
	Vertical Frequency	50 to 76 Hz
	Native Resolution	1280 x 1024 @ 60 Hz (analog)
		1280 x 1024 @ 60 Hz (digital)
	Max Resolution (Analog)	1280 x 1024 @ 60 Hz
	Max Resolution (Digital)	1280 x 1024 @ 60 Hz
	Preset VESA Modes (non-interlaced)	640 x 480 @ 60 Hz
		720 x 400 @ 70 Hz
		800 x 600 @ 60 Hz
		1024 x 768 @ 60 Hz
		1280 x 1024 @ 60 Hz
	Max Pixel Clock Speed	135 MHz
	User Programmable Modes	Yes, 10
	Anti-Glare	Yes

Technical Specifications

	Anti-Static	Yes	
	AssetControl	Yes (accessible on HP Compaq Business Desktops featuring HP Client Manager)	
	Default Color Temperature	Warm (6500° Kelvin)	
On Screen Display (OSD) **Controls**	**Buttons and Switches**	"Menu" "-" "+" "OK" "Power"	
	Languages	English, Spanish, French, German, Dutch, Simplified Chinese, Japanese, Portuguese, and Traditional Chinese	
	User Controls	Brightness, Contrast, Color, Image Control, OSD Control, Management, Language, Factory Reset, Source Control	
Power	**Power Supply**	Internal	
	Power Source	100-240V at 50/60Hz	
	Maximum	28 W	
	Typical Power Consumption	25 W	
	Power Saving Mode	< 0.5 W	
	Off Mode	< 0.5 W	
	Power Cable Length	**1,9 m** (6.2 ft); detached	
Mechanical	**Dimensions** (W x D x H)	**Packaged**	**48,6 x 19 x 42,2 cm** (19.1 x 7.5 x 16.6 in)
		Unpacked with stand (minimum)	**41,7 x 19,2 x 36,6 cm** (16.4 x 7.5 x 14.4 in)
		Unpacked with stand (maximum height)	**41,7 x 19,2 x 48,6 cm** (16.4 x 7.5 x 19.1 in)
		Base area (footprint)	**21,45 x 19,2 cm** (8.5 x 7.6 in)
		Panel only (without stand)	**41,7 x 4,7 x 34,7 cm** (16.4 x 1.8 x 13.6 in)
	Weight	**Packaged**	**6,7 kg** (14.77 lb)
		Unpacked with stand	**4,9 kg** (10.8 lb)
		Panel Only (without stand)	**3 kg** (6.6 lb)
	Bezel Width	**20,59 mm** (.81 in) left and right, **20,58 mm** (.81 in) top, and **26,35 mm** (10.4 in) bottom	
	Tilt Range	-5° to +25°	
	Swivel Range	± 180° horizontal swivel	
	Height Adjustable	Yes, **12 cm** (4.7 in) adjustment range	
	Pivot Rotation	Yes, 90° into portrait orientation	
	Base	Ships detached	
Environmental	**Temp. – Operating**	32° to 104° F (0° to 40° C)	
	Temp. – Non-operating	-4° to 140° F (-20° to 60° C)	
	Humidity – Operating	15% to 80%, non-condensing	

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Humidity – Non-operating	10% to 90%	
Altitude – Operating	**0 to 5000 m** (0 to 16,404 ft)	
Altitude – Non-operating	**0 to 12000 m** (0 to 39,370 ft)	
White LED Backlights	Yes	
CCFL Panel	No	
Arsenic-Free Display Glass[4]	Yes	
Low Halogen[5]	Yes	
Mercury- Free Display Backlighting	Yes	

Options	**HP LCD Speaker Bar —** Part number NQ576AA	Powered directly by the connected PC, the Speaker Bar seamlessly attaches to the monitor's lower bezel to bring full audio support to select HP flat panel monitors. Features include dual speakers with full sound range and dual external headphone jacks. Sold separately. For more information, refer to the product's QuickSpecs.
	HP LCD Monitor Quick Release — Part number EM870AA[i]	An easy-to-use, VESA-compliant, LCD monitor mounting solution that allows you to quickly and securely attach an LCD monitor to a variety of stands, brackets, arms or wall mounts. For more information, refer to this product's QuickSpecs document.
	HP USB Graphics Adapter — Part number NL571AA	Enables connection of up to six simultaneous displays to help you boost productivity and multi-task across several open applications. Use one Adapter to bridge between a notebook or desktop PC and second monitor or use multiple Adapters to connect several displays to each other.
	HP Business PC Security Lock Kit — Part number PV606AA	Attaches to the rear of the PC with a six-foot steel cable that can be used to secure a PC or peripherals such as mice, keyboards, monitors or USB security devices to protect them against unauthorized removal by physically connecting the system to an anchor point.
	HP DVI to DVI cable— Part number DC198A	Connect to external monitors with a DVI connector from an HP Compaq Business Desktop computer with a DVI connector. The cable is a single link cable with DVI-D support on both connectors. The cable will connect to either a DVI-D or DVI-I connector on the monitor and the graphics card.
What's in the box?	**Monitor and Accessories**	HP EliteDisplay E190i 18.9-inch 5:4 LED Backlit IPS Monitor; VGA cable; DisplayPort cable; USB cable; AC Power cable
	Documentation	Warranty card and CD
	Featured Software	Monitor Driver (ICM/INF) Display Assistant Auto adjustment pattern utility Adobe Acrobat Reader
Other	**User Guide Languages**	AMS: English, French, Spanish, B. Portuguese EMEA: Danish, Dutch, Finnish, French, German, Hebrew, Italian, Norwegian, Spanish (Int'l), Swedish, Czech, Greek, Hungarian, Polish, Portuguese, Russian, Slovak, Turkish, Arabic, Kazakh APJ: English, S. Chinese, T. Chinese, Bahasa Indonesia, Korean, Japanese
	Warranty Languages	English, Canadian French, LA Spanish, Brazilian Portuguese, Danish, German, Castilian Spanish, French, Italian, Dutch, Norwegian, Finnish, Swedish, Bahasa Indonesian, Korean, T. Chinese, S. Chinese

QuickSpecs

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Color	Meteorite bezel, Black chassis and stand
VESA External Mounting	Yes (one set of standard 4-hole pattern, 100 mm). Stand must first be removed.
Security Lock-Ready	Yes
EU Energy Efficiency Class (ERP lot-5)	D
Certification and Compliance	TCO Displays, EPEAT® 2019 Registered, ENERGY STAR® qualified, CECP eco label (China Energy Conservation Program), SEPA eco label (China), TGM eco label(Taiwan Green Mark), EuP lot6 Tier2, China Energy Label (CEL), China MEPS, Korea MEPS (E-standby), ISO 9241-307, Requirements, CSA 60950-1, UL 60950-1, EN55022 Class B, EN60950 -1, CNS 13438 Class B, IEC 60950-1, "GS" Mark, TUV Approvals, VCCI Approvals, KC and KCC (Korean) Requirements, CE Marking, FCC Part 15 class B Approval, CCC, IT ECO (EDS), EN55024 Class B, CISPR Requirements, SmartWay – NA only - Energy logistics, Microsoft WHQL Certification (Windows 10)
Compatibility	VESA Video Signal Standard (VSIS) Compliant video cards have been tested and proven compatible for use with this monitor. Recommended for use with HP products.
Service and Warranty	Protected by HP, including a 3 year standard limited warranty. Optional Care Pack Services are extended service contracts which go beyond your standard warranties.[2]

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1. The HP Quick Release has been designed to support a maximum of up to 24 lbs (10.9 kg) for all devices mounted. Because mounting surfaces vary widely and the final mounting method and configuration may vary, mounting fasteners are not supplied (other than the VESA-compliant screws). HP recommends that you consult with a qualified engineering, architectural or construction professional to determine the appropriate type and quantity of mounting fasteners required for your application and to ensure that your mounting solution is properly installed to support applied loads.
2. HP Care Pack Services are sold separately. Service levels and response times for HP Care Pack Services may vary depending on your geographic location. Service starts from date of hardware purchase. Restrictions and limitations apply. See http://www.hp.com/go/cpc for details.
3. Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. Status varies by country. Visit http://www.epeat.net for more information.
4. External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.

All specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

Technical Specifications

Summary of Changes

Date of change:	Version History:		Description of change:
June 3, 2014	From v1 to v2	Changed	Updated non-operating humidity spec
Jul16, 2014	From v2 to v3	Upgrade	Change the version so it would sync with the PB
October 6, 2016	From v3 to v4	Updated	Windows 10 certification added
November 15, 2017	From v4 to v5	Updated	DVI-D Cable removed from video and other inputs
May 23, 2019	From v5 to v6	Updated	EPEAT
December 12, 2019	From v6 to v7	Updated	Key Benefits Section
February 23, 2021	From v7 to v8	Updated	Techspecs updated