

SHARP®

**MultiSync® E Series
LED-backlit LCD Displays**

DD-E224F/DD-E224FL/DD-E244F/DD-E244FL



High-performance, LED-backlit LCD displays ideal for corporate environments

Small bezels, big value

The Workspace Essential

Driving down costs without compromising quality, the E Series presents all the reliable performance you expect from Sharp against a very competitive price tag.

With user comfort prioritized, workspace ergonomics is a key design feature. Height adjustability to 120 mm with swivel, tilt and pivot functionality ensures a personalized set up, while built-in Low Blue Light and Flicker-Free technology protects the viewers' eyes without sacrificing best picture quality. With a fresh On-Screen Display (OSD) design, users benefit from highly intuitive operation, saving time and frustration during set up and adjustment. This Full HD display is designed for home offices and small to medium sized businesses that are using typical office applications.

E Series Desktops	
22"	DD-E224F
22"	DD-E224FL
24"	DD-E244F
24"	DD-E244FL



Highlights

- LED backlight technology provides for industry-leading low power consumption and less hazardous materials
- The 3-sided narrow bezel mechanical design allows for ideal multi-monitor applications
- Full digital connectivity, including DisplayPort, HDMI, USB-C inputs and LAN port IN (RJ45) *
- USB-C provides PD and fast data transmission of Audio/Video content *
- LAN port enables ethernet use for those devices connected to the display with no LAN port connectivity *
- Ergonomic performance ensures a full height adjustment stand, as well as swivel, tilt and dual-direction pivot functionality that helps you reach a more comfortable view
- NaViSet Administrator 2: Free software solution that greatly eases administration and management of larger display device installations
- With a fresh and intuitive On-Screen Display (OSD) design makes set-up simpler
- ECO Mode™ allows you to manually adjust the display's brightness to your liking, saving power and reducing your energy costs
- ENERGY STAR 8.0 and TCO 8.0

* USB-C and LAN port In (RJ45) only for DD-E224FL/DD-E244FL

DD-E224F | DD-E244F | DD-E224FL | DD-E244FL



Flicker Free



www.tuv.com
ID 141903976



Low Blue Light Content



www.tuv.com
ID 141903974

MultiSync® E Series Ultra Narrow Features

Adjustable for Every Workstation

Four-way ergonomic stand boasts dual direction pivot, tilt, swivel and height adjustment up to 120mm to maximize your viewing comfort.

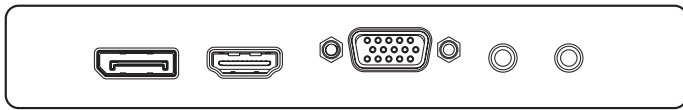


Comprehensive Input Panels

DisplayPort, HDMI and VGA connect you to legacy equipment and the latest peripherals.

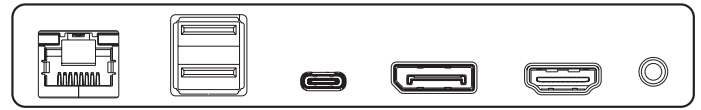
DisplayPort, HDMI, USB Type-C and LAN Port connect you with the latest digital devices.

DD-E224F | DD-E244F



DisplayPort HDMI VGA Audio IN Headphone

DD-E224FL | DD-E244FL



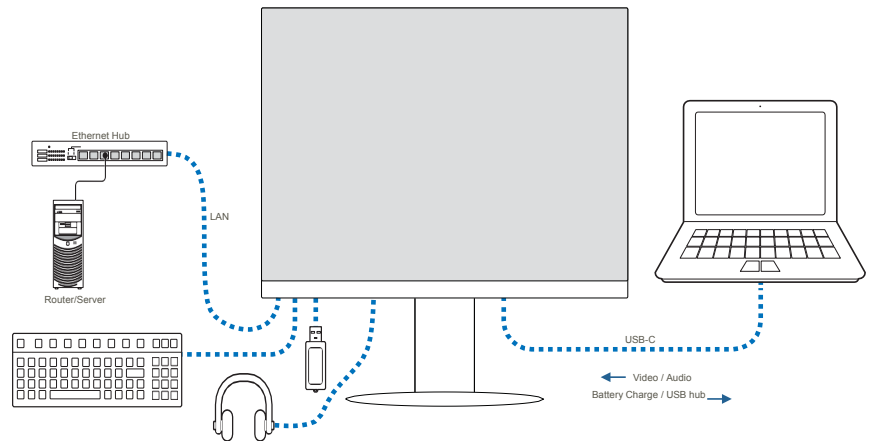
LAN USB USB-C DisplayPort HDMI Headphone

IT-Friendly Features

The optional NaViSet™ Administrator 2.0 software offers an intuitive graphical interface, allowing for easy adjustment of display settings via mouse and keyboard. NaViSet Administrator provides all the advanced control to remotely located IT professionals.

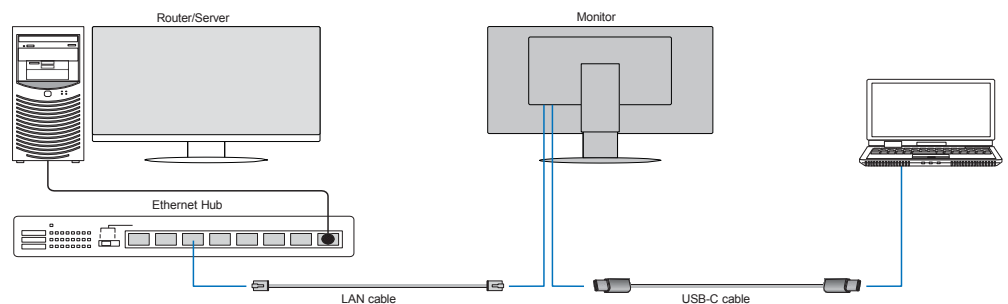
Benefits of USB Type-C*

USB Type-C helps optimize connectivity with fast data/content transmissions, and declutters the workspace by replacing video, audio, power and USB cabling with just a single cable to connect and charge notebook, tablet PC, or mobile device with the display.



Benefits of LAN Port Connection*

LAN port allows for display to connect to user's network, in which a laptop, game console or other devices with no LAN port can simply connect to the monitor for ethernet use.

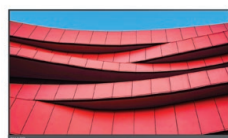


* USB-C and LAN port In (RJ45) only for DD-E224FL/DD-E244FL

MultiSync® Model		DD-E224F	DD-E224FL	DD-E244F	DD-E244FL	
Display	Panel Technology	VA		IPS		
	Screen Size	22"		24"		
	Active Screen Area	21.45"		23.8"		
	Aspect Ratio	16:9				
	Native Resolution	FHD 1920x1080				
	Pixel Pitch	0.25mm		0.28mm		
	Pixels Per Inch (at native resolution)	102 @ native resolution		93 @ native resolution		
	Backlight Type	LED				
	Brightness (typical)	250 cd/m²				
	Contrast Ratio (typical)	3,000:1		1,000:1		
	Viewing Angle (typical)	178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>10				
	Response Time (typical)	6ms				
	Refresh Rate	50-62Hz	48-75Hz	50-62Hz	48-75Hz	
	Displayable Colours	More than 16.7 million				
Colour Gamut	Adobe RGB: 71.8%, NTSC: 68.2%, sRGB: 92.8%	Adobe RGB: 75.3%, NTSC: 68.2%, sRGB: 92.8%	Adobe RGB: 74%, NTSC: 70.6%, sRGB: 95.6%	Adobe RGB: 75.3%, NTSC: 71.1%, sRGB: 95.5%		
Synchronization Range	Horizontal (Analog/Digital)	31.5-81.1kHz				
	Vertical	~50--75Hz				
Sync Compatibility	Separate Sync: TTL Level (Positive/Negative)					
Connectivity	Hub	Data	N/A	USB 3.1 (Downstream) x2, USB-C (Upstream), LAN	N/A	USB 3.1 (Downstream) x2, USB-C (Upstream), LAN
		Power Delivery	N/A	60W	N/A	60W
	Input Connectors	RGB (analog)	VGA	N/A	VGA	N/A
		RGB1 (digital)	HDMI			
		RGB2 (digital)	DisplayPort			
		RGB3 (digital)	N/A	USB-C	N/A	USB-C
		Audio	Stereo Mini Jack	N/A	Stereo Mini Jack	N/A
	Output Connectors	Audio Out	Stereo Mini Jack			
Monitor Out		N/A				
Power Consumption	On	14W	16W	17W	19W	
	Power Savings Mode (typical)	0.22W	0.3W	0.22W	0.3W	
	Dimensions (WxHxD)	With stand	19.4 x 14.3 x 9.2 in. / 493.2 x 363.4 x 233.2 mm		21.3 x 15.0 x 9.2 in. / 540.5 x 381.0 x 233.2 mm	
		Without stand	19.4 x 11.2 x 2.3 in. / 493.2 x 285.3 x 58.0 mm		21.3 x 12.6 x 2.3 in. / 540.5 x 320.5 x 58.0 mm	
	Net Weight	With stand	11.5 lbs. / 5.2 kg	12.1 lbs. / 5.5 kg	12.3 lbs. / 5.6 kg	13.0 lbs. / 5.9 kg
		Without stand	6.8 lbs. / 3.1 kg	7.5 lbs. / 3.4 kg	7.7 lbs. / 3.5 kg	8.4 lbs. / 3.8 kg
VESA Hole Configuration	100 x 100 mm					
Environmental Conditions	Operating Temperature	41-95°F / 5-35°C				
	Operating Humidity	20-80%				
	Operating Altitude	16404 ft. / 5000m				
	Storage Temperature	14-140°F / -10-60°C				
	Storage Humidity	10-85%				
	Storage Altitude	40,000 ft. / 12,192m				
Environmental Compliance	ENERGY STAR	8				
	TCO	9				
	RoHS	Yes				
Additional Features	ECO Mode, Carbon footprint meter, Ultra Narrow Bezels, Tilt, Carrying handle, Headphone output, Rapid Response, Ambix, XtraView, OSD® user controls, OSD Lock Out, Cable management, NaViSet™ Administrator 2, VESA mounting compatible, HDCP, DDC/CI, Plug and Play (VESA DDC 2B), VESA DPMS power management, Energy Star 8.0, TCO 9.0, Dynamic Video Mode, Digital controls, ISO 9241-307 Class I, Low Blue Light, Flicker Free					
Ships With	Setup sheet, User manual, Power cord, DisplayPort cable, VGA cable, Stand					
Limited Warranty	3 years					



DD-E224F



DD-E244F



DD-E224FL



DD-E244FL



Visit www.sharp.ca for details.



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