SHARP / **NEC**

NEC MultiSync® Series Narrow Bezel
Ultra narrow bezel desktop displays designed for everyday business use

Tiny bezels, large value.

The Workspace Essential

Driving down costs without compromising quality, the desktop E Series presents all the reliable performance you expect from Sharp/NEC, 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 with VA screen technology is well placed to equip the home office and small to medium sized businesses for general office applications.

E Series Desktops	
22"	E224F-BK
22"	E224FL-BK
24"	E244F-BK
24"	E244FL-BK
27"	E274F-BK
27"	E274FL-BK

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
- VA screen technology allows for optimal contrast ratio
- 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

E224F | E244F | E274F | E224FL | E244FL | E274FL

TÜVRheinland CERTIFIED — Flicker Free — www.tuv.com ID 1419039576

TÜVRheinland CERTIFIED — Low Blue Light Content — www.tuv.com ID 1419039574

* USB-C and LAN port In (RJ45) only for E224FL/E244FL/E274FL

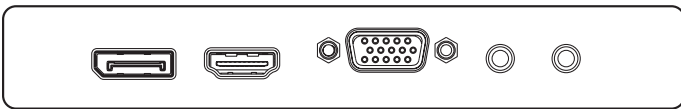# MultiSync® E Series Ultra Narrow Features

Adjustable for Every Workspace

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

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.

Comprehensive Input Panels

DisplayPort, HDMI and 15-pin VGA* connect you to the latest peripherals and future-proofs your investment.

E224F │ E244F │ E274F

| DisplayPort | HDMI | VGA | Audio IN | Headphone |
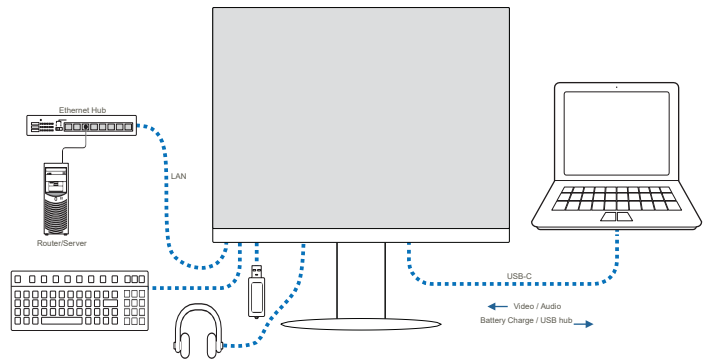
Benefits of LAN Port Connection*

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.
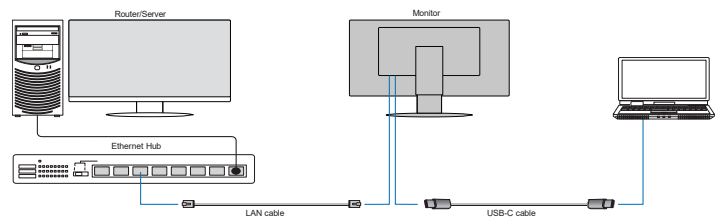
E224FL │ E244FL │ E274FL

| LAN | USB | USB-C | DisplayPort | HDMI | Headphone |

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

MultiSync® MODEL		E224F	E244F	E274F	E224FL	E244FL	E274FL
DISPLAY	Panel Technology	VA					
	Backlight Type	LED					
	Viewable Image Size	21.45"	23.8"	27"	21.45"	23.8"	27"
	Aspect Ratio	16:9					
	Native Resolution	1920 x 1080					
	Pixel Pitch	0.25mm	0.28mm	0.31mm	0.25mm	0.28mm	0.31mm
	"Pixels Per Inch (at native resolution)"	102	93	82	102	93	82
	Brightness (typical)	250cd/m²					
	Contrast Ratio (typical)	3000:1	3000:1	4000:1	3000:1	3000:1	4000:1
	Color Gamut* — Adobe RGB Coverage/Size**	71.8	74	74	75.3	75.3	75.3
	Color Gamut* — NTSC Coverage/Size	68.2	70.6	71.1	68.2	70.6	71.1
	Color Gamut* — sRGB Coverage/Size	92.8	95.6	95.5	92.8	95.6	95.5
	Viewing Angle (typical)	178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>10					
	Response Time (typical)	6					
	Displayable Colors	More than 16.7 million					
	Synchronization Range						
	Horizontal (Analog/Digital)	31.5-81.1 kHz					
	Vertical	~50 - ~75 Hz					
	Input Signal — Video	Analog RGB 0.7 Vp-p/75 Ohms Digital HDMI/DisplayPort ~31.5 - ~81.1kHz Horizontal Frequency, ~50Hz - ~75Hz Vertical Frequency, ~25MHz - ~165MHz Dot Clock Frequency			Digital HDMI/DisplayPort, USB Type-C ~31.5 - ~81.1kHz Horizontal Frequency, ~50Hz - ~75Hz Vertical Frequency, ~25MHz - ~165MHz Dot Clock Frequency		
	Input Signal — Sync	Separate Sync: TTL Level (Positive/Negative)					
	Input Connectors	DisplayPort, HDMI, VGA 15-pin D-sub			DisplayPort, HDMI, USB Type-C		
	Output Connectors	Headphone Audio					
	USB — Hub				USB 3.1, 1 up / 2 down		
	USB — Power Delivery				USB-C Port 60W		
POWER CONSUMPTION	On (typical)	14W	17W	18W	16W	19W	20W
	Power Savings Mode (typical)	0.22W	0.22W	0.25W	0.3W	0.3W	0.3W
PHYSICAL SPECIFICATIONS	"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	24.2 x 15.8 x 9.2 in. / 614.0 x 401.7 x 233.2 mm	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	24.2 x 15.8 x 9.2 in. / 614.0 x 401.7 x 233.2 mm
	"Dimensions (WxHxD)" — 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	24.2 x 14.2 x 2.3 in. / 614.0 x 361.8 x 58 mm	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	24.2 x 14.2 x 2.3 in. / 614.0 x 361.8 x 58 mm
	Net Weight — With stand	11.5 lbs. / 5.2 kg	12.3 lbs. / 5.6 kg	13.9 lbs. / 6.3 kg	12.1 lbs. / 5.5 kg	13.0 lbs. / 5.9 kg	14.6 lbs. / 6.6 kg
	Net Weight — Without stand	6.8 lbs. / 3.1 kg	7.7 lbs. / 3.5 kg	9.3 lbs. / 4.2 kg	7.5 lbs. / 3.4 kg	8.4 lbs. / 3.8 kg	9.9 lbs. / 4.5 kg
	VESA Hole Configuration	100 x 100mm					
ENVIRONMENTAL CONDITIONS	Operating Temperature	41-95°F / 5-35°C					
	Operating Humidity	20-80%	20-80%	20-80%	20-80%	20-80%	20-80%
	Operating Altitude	16404 ft. / 5000m	16404 ft. / 5000m	16404 ft. / 5000m	16404 ft. / 5000m	16404 ft. / 5000m	16404 ft. / 5000m
	Storage Temperature	14-140°F / -10-60°C	14-140°F / -10-60°C	14-140°F / -10-60°C	14-140°F / -10-60°C	14-140°F / -10-60°C	14-140°F / -10-60°C
	Storage Humidity	10-85%	10-85%	10-85%	10-85%	10-85%	10-85%
	Storage Altitude	40,000 ft. / 12,192m	40,000 ft. / 12,192m	40,000 ft. / 12,192m	40,000 ft. / 12,192m	40,000 ft. / 12,192m	40,000 ft. / 12,192m
ENVIRONMENTAL COMPLIANCE	ENERGY STAR	8.0	8	8	8.0	8.0	8.0
	TCO	9.0	9.0	9.0	9.0	9.0	9.0
	RoHS	Yes	Yes	Yes	Yes	Yes	Yes
ADDITIONAL FEATURES		ECO Mode, Carbon footprint meter, Ultra Narrow Bezels, Tilt, Carrying handle, Audio input, Headphone output, Rapid Response, Ambix, XtraView, OSD® user controls, OSD Lock Out, Cable management, NaViSet™ Administrator 2, VESA mount, HDCP, DDC/CI, No Touch Auto Adjust, 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 manual, Contents Sheet, California Prop Sheet, Energy Star 8.0 Sheet, Power cord, DisplayPort cable, Height and Tiltable Stand base			Setup Manual; Contents Sheet, California Propostition Sheet, Energy Star 8.0 Sheet, Power cord, DisplayPort cable, Head Angle Limitation Addendum Sheet, USB Setting Sheet, Height and Tiltable Stand		
LIMITED WARRANTY		3 years					

E224F-BK E244F-BK E274F-BK E224FL-BK E244FL-BK E274FL-BK

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