

MultiSync® EA231WU LCD 22.5" Commercial Display

Datasheet



NEC MultiSync® EA231WU Ultra-Narrow Bezel - 16:10 format in affordable screen size

NEC's new 22.5-inch display in 16:10 aspect ratio is one of the first to enter the market in its size class.

The new display is outfitted to use the maximum vertical screen space and is designed to suit professional environments that need to project vertically-oriented documents. The EA231WU offers the same vertical screen workspace as a 24," 16:9 screen without compromising quality. The display comes with best in class ergonomics that meet all safety regulations. The height of the screen adjusts from desk level up to 150 mm, so it is in line with the new standards for creating an ergonomic workspace.

Benefits

Maximised vertical screen estate - new 22.5 " 16:10 screen size offers a strong value proposition for cost sensitive users needing the same vertical workspace height as a classic 24" 16:9 display"

Maximum connectivity flexibility - the complete connectivity range (VGA, DVI, DP, HDMI and USB) allows full flexibility for users to connect the display to existing platforms.

Best in form and function - future-ready design with 3-sided ultra-narrow bezel, available in black or white, complementing a fresh professional office interior.

Maximum attention to health and well-being - the outstanding ergonomic height adjustment from 0 to 150 mm; eye pleasing built-in Low Blue Light and Flicker-Free technology; plus integrated ambient light sensor all combines to tailor the perfect individual setup to boost productivity.

Auto-Adjust Power Consumption - to minimize unnecessary power usage, the Human and Ambient Light Sensors adjust the display brightness according to user presence and room lighting conditions.

Ease of multi-display control - manage the settings of up to 5 displays in a multi-monitor configuration via the master display with ControlSync® technology.

Product Information

Product Name	MultiSync® EA231WU
Product Group	LCD 22.5" Commercial Display
Order Code	60004781 (BK), 60004782 (WH)

Display

Panel Technology	IPS TFT with W-LED backlight
Screen Size [inch/cm]	23 / 57
Screen Aspect Ratio	16:10
Colour Gamuts	101.8 % sRGB; 75.5% AdobeRGB, 72.1% NTSC
Pixel Pitch [mm]	0.254
Brightness (typ.) [cd/m ²]	250
Contrast Ratio (typ.)	1000:1 (25000:1 dynamic contrast ratio)
Viewing Angle [°]	178 horizontal / 178 vertical (typ. at contrast ratio 5:1)
Response Time (typ.) [ms]	6
Colours [Mio.]	16.78 (6-bit per colour)

Synchronisation Rate

Horizontal Frequency [kHz]	31.5 - 75
Vertical Frequency [Hz]	50 - 60

Resolution

Optimum Resolution	1920 x 1200 at 60 Hz			
Supported	1920 x 1200; 1680 x 1050; 1440 x 900;	1366 x 768; 1360 x 768; 1280 x 1024;	1280 x 960; 1280 x 768; 1280 x 720;	1024 x 768; 800 x 600; 640 x 480

Connectivity

Digital	1 x DisplayPort; 1 x DVI-D (with HDCP); 1 x HDMI; USB ver. 2.0 (3 down / 1 up)
Analog	1 x mini D-sub 15 pin

Electrical

Power Consumption on Mode [W]	11 (Eco Mode 2); 15 (Eco Mode); 15 (shipping); 46 (max.)
Power Savings Mode [W]	0.31
Power Supply	0.9 A/0.5 A; 100-240 V; integrated power supply

Environmental Conditions

Operating Temperature [°C]	+5 to +35
Operating Humidity [%]	20 to 80
Storage Humidity [%]	10 to 85
Storage Temperature [°C]	-10 to 60

Ergonomics

Height adjustable stand [mm]	150 (Landscape mode)
Screen Tilt [°]	-5 to +35
Screen Swivel [°]	-170 to +170
Screen Rotate [°]	0 to 90 (landscape to portrait mode)

Mechanical

Bezel Width [mm]	0.8 (left and right); 0.8 (top); 15.8
Dimensions (W x H x D) [mm]	319.7 x 516.7 - 596 x 250 (Portrait mode); 498.9 x 337.2 - 487.2 x 250 (Landscape mode)
Weight [kg]	With stand: 5.9; Without stand: 3.4
VESA Mounting [mm]	100 x 100

Additional Features

Special Characteristics	EcoModes; ErgoDesign®: Height adjustable stand (150 mm) with 90° Pivot features; NaViSet Administrator 2
Colour Versions	Black Front Bezel, Black Back Cabinet; White Front Bezel, White Back Cabinet
Cable Management	yes
Kensington security slot	yes
Plug and Play	DDC2B/2Bi; VESA DDC/CI
Audio	Integrated Speakers (1 W + 1 W)
Shipping Content	Control Sync Cable; DisplayPort cable; Monitor; Power Cable; Set-up manual; Setup Guide Signal Cable: [value1] x DVI-D; VGA - VGA
Safety and Ergonomics	CE; EAC; ErP; ISO 9241-307 (pixel failure class I); PSB; RoHS; TCO 7.0; TÜV Ergonomics; TÜV GS; UL/C-UL or CSA; WEEE
Warranty	3 years warranty incl. backlight; optional 4th to 5th year warranty extension

Green Features

Energy Efficiency	ECOMode; Energy efficiency class: A+; Human sensor; Intelligent Power Management; LED backlight technology
Ecological Standards	Energy Star 7.1; RoHS compliant; TCO 7.0



CE



ErP



RoHS



TÜV
Ergonomics



TÜV GS

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