

## MultiSync® EA231WU LCD 22.5" Commercial Display

### Datasheet



#### **NEC MultiSync® EA231WU Ultra-Narrow Bezel - best price ratio in 16:10 format**

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 <sup>2</sup> ] | 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]              | 5                                                          |
| 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;<br>1680 x 1050;<br>1440 x 900; | 1366 x 768;<br>1360 x 768;<br>1280 x 1024; | 1280 x 960;<br>1280 x 768;<br>1280 x 720; | 1024 x 768;<br>800 x 600;<br>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<br>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 1st to 3rd year 24/7 usage warranty; 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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