

Orchestrating a brighter world

NEC

MultiSync® EA271Q
LCD 27" Commercial Display

Datasheet



NEC MultiSync® EA271Q – future-proof professional office productivity, matching premium visualisation with superior ergonomics

The 27" highly adjustable visual surface with 1440p Quad HD resolution delivers 1.75 times more content details compared to Full-HD. The screen area is used more efficiently thus providing the means to promote maximum office productivity.

Declutter your desk using the display's USB Type-C connectivity managing video, audio, power and USB with just a single cable. Outstanding ergonomic features allow perfect display adjustment according to your individual needs. In addition, high attention is given to ensuring user well-being with an integrated ambient light sensor, Low Blue Light and Flicker-Free technology to protect the viewer's eyes. Investment protection is assured with comprehensive connectivity.

The display attracts office professionals as well as control room and trading floor operators. Perfectly designed for multiple display set-ups, the ultra-narrow bezel ensures minimal gaps between productive screen areas.

Benefits

More details visible on the screen – the Quad HD resolution of up to 2560 x 1440 pixels offers 1.75 times more screen details compared to Full-HD providing significantly more screen space especially in multi-screen setups.

Newest USB Type-C connectivity standard – optimize connectivity and declutter your desk; replace video, audio, power and USB cabling with just a single cable to connect your notebook/tablet PC with the display.

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

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.

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.

Ease of multi-display control – manage the settings of up to 8 displays in a multi-monitor configuration via the master display with ControlSync® technology.

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.

Product Information

| | |
|---------------|------------------------------|
| Product Name | MultiSync® EA271Q |
| Product Group | LCD 27" Commercial Display |
| Order Code | 60004303 (BK), 60004650 (WH) |

Display

| | |
|---------------------------|-------------------------------------------------------------|
| Panel Technology | PLS TFT with W-LED backlight |
| Screen Size [inch/cm] | 27 / 68 |
| Screen Aspect Ratio | 16:9 |
| Colour Gamuts | 100 % sRGB; 75 % NTSC |
| Pixel Pitch [mm] | 0.233 |
| Brightness (typ.) [cd/m²] | 350 |
| Contrast Ratio (typ.) | 1000:1 (7000:1 dynamic contrast ratio) |
| Viewing Angle [°] | 178 horizontal / 178 vertical (typ. at contrast ratio 10:1) |
| Response Time (typ.) [ms] | 6 |
| Colours [Mio.] | 16.78 |

Synchronisation Rate

| | |
|----------------------------|-----------|
| Horizontal Frequency [kHz] | 31.5 - 94 |
| Vertical Frequency [Hz] | 56 - 75 |

Resolution

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|--------------------|----------------------------------------------|---------------------------------------------|-----------------------------------------|-----------|
| Optimum Resolution | 2560 x 1440 at 60 Hz | | | |
| Supported | 2560 x 1440; 1920 x 1440; 1920 x 1080; | 1600 x 1200; 1280 x 1024; 1152 x 864; | 1024 x 768; 832 x 624; 800 x 600; | 640 x 480 |

Connectivity

| | |
|---------|---------------------------------------------------------------------------------------------------------------------------|
| Digital | 1 x DisplayPort; 1 x DisplayPort out; 1 x HDMI; 1 x USB Type C (60 W); 1x DVI-D (Dual Link); USB ver. 3.1 (3 down / 2 up) |
|---------|---------------------------------------------------------------------------------------------------------------------------|

Electrical

| | |
|-------------------------------|------------------------------------------------------------------------|
| Power Consumption on Mode [W] | 150 (max.); 30 (Eco Mode 2); 37 (Eco Mode 1); 37 (shipping); 37 (typ.) |
| Power Savings Mode [W] | 0.35 |
| Power Supply | 0.75 A/1.6 A; 100-240 V; internal 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 |
| Screen Tilt [°] | -5 to 35 |
| Screen Swivel [°] | -170 to +170 |
| Screen Rotate [°] | -90 to 90 (landscape to portrait mode) |

Mechanical

| | |
|-----------------------------|---------------------------------------------------------------------------------------|
| Bezel Width [mm] | 1 (left/right/top) |
| Dimensions (W x H x D) [mm] | 361.9 x 628.6 - 652.1 x 250 (Portrait mode); 611.8 x 378 - 528 x 250 (Landscape mode) |
| Weight [kg] | With stand: 9.1; Without stand: 5.7 |
| VESA Mounting [mm] | 100 x 100 |

Additional Features

| | |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Special Characteristics | Ambient light sensor for optimized brightness levels; Carbon Footprint Meter; Carbon Savings Meter; ControlSync®; Customize Setting; DisplayPort; EcoModes; ErgoDesign®: Height adjustable stand (150 mm) with 90° Pivot features; Human Sensor; LED Backlight Technology; NaViSet Administrator 2; Picture-by-Picture; Quick release Stand and Handle; TileMatrix; Touch Sensor Keys; USB ver. 3.1 (3 down / 2 up); Versatile and easy installation (VESA standard) with NaViSet and NaViKey |
| 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; EDID Standard; VESA DDC/CI |
| Audio | 1W + 1W (De-activateable); Headphone Jack |
| Adjust Functions | Audio Volume / Lock-Out; Auto Adjust; Brightness; Colour Temperature Control; Contrast; Control Sync; DV Mode; EcoMode; Human Sensing; Intelligent Power Management; Language Select; Monitor Information; On-Screen-Display (OSD) lock-out; One Touch Recovery; Power-Off Timer |
| Shipping Content | Control Sync Cable; DisplayPort cable; Monitor; Power Cable; Setup Guide; USB Cable |
| Safety and Ergonomics | CE; EAC; ErP; ISO 9241-307 (pixel failure class I); PSB; RoHS; TCO 7.0; TCO Certified Edge Displays 1.2.; TÜV Ergonomics; TÜV GS; UL/C-UL or CSA |
| Warranty | 3 years warranty incl. backlight; optional 4th to 5th year warranty extension |

Green Features

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|----------------------|-------------------------------------------------------------------------|
| Energy Efficiency | Ambient light sensor; ECOMode; Energy efficiency class: A; Human sensor |
| Ecological Materials | Minimal use of harmful material |
| Ecological Standards | Energy Star 7.1; ErP compliant; RoHS compliant; TCO 7.0; TCO edge |



CE



ErP



RoHS



TCO Certified Edge Displays 1.2.



TÜV Ergonomics



TÜV GS

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