

Procure



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NEC MultiSync® CB861Q

LCD 86" Infrared Touch Collaboration Display

Datasheet

Benefits

Out-of-the-box collaboration – thanks to embedded computing with built-in annotation tools and wireless presentation capabilities.

Multi-Touch – true multi-touch support with up to 20 simultaneous touch points.

Protective Glass – premium toughened glass protects the security of the panel yet delivers a perfect touch experience with anti-glare coating to minimise reflections and fingerprints.

Simple operation – with easy front access to USB ports and controls for major functionalities

Cost Saving Device Management – save effort whilst managing all connected NEC devices from a centralised location by using the NaViSet Administrator 2 software tool.

Product Information

Product Name	NEC MultiSync® CB861Q
Product Group	LCD 86" Infrared Touch Collaboration Display
Order Code	60004825

Display

Panel Technology	IPS with Direct LED backlights
Active Screen Area (W x H) [mm]	1,895 x 1,066
Screen Size [inch/cm]	86 / 217.4
Aspect Ratio	16:9
Pixel Pitch [mm]	0.4935
Brightness [cd/m ²]	350, 300 (shipment setting)
Brightness (without glass) [cd/m ²]	400
Contrast Ratio (typ.)	1200:1
Viewing Angle [°]	178 / 178 (at contrast ratio > 10:1)
Colour Depth [bn]	1,073 (10bit)
Response Time (typ.) [ms]	8 (grey-to-grey)
Haze Level [%]	3
Supported Orientation	Landscape

Touch

Touch Technology	Infrared
Number of Touches	Real multi-touch up to 20 touches
Touch Method	Finger; Gloves; Stylus (≥ 8 mm)
Supported Operating System	Native Multi-Touch: Windows 7-11, Linux, Android; Default Mouse: Windows XP and Vista, Mac OS
Data Interface	USB-HID
Accuracy [mm]	< 2
Windows Ink	no
Palm Rejection	no

Glass

Type	Thermal-tempered, anti-glare coating
Thickness [mm]	4
Light Transmission [%]	88 (+/- 1 %)
Reflection Rate [%]	4

Hardness [H] 7

Resolution

Native Resolution	3840 x 2160		
Supported Resolutions	1920 x 1080;	3840 x 2160;	4096 x 2016
Supported on HDMI only	3840 x 2160 (60 Hz);	4096 x 2016 (24 Hz)	

Synchronisation Rate

Horizontal Frequency [kHz]	26 - 135
Vertical Frequency [Hz]	23 - 80

Connectivity

Input Video Analogue	1 x VGA
Input Video Digital	3 x HDMI (with HDCP)
Input Audio Analogue	1 x 3,5 mm jack
Input Audio Digital	3 x HDMI
Input Control	LAN 100Mbit; RS232
Input Data	2 x USB Type-B (Upstream); 6 x USB 2.0 (Downstream)
Output Audio Analogue	1 x 3,5 mm jack
Output Audio Digital	1 x SPDIF
Output Control	LAN 100Mbit

Open Modular Intelligence

OPS Slot	Slot Technology: Open pluggable specification (NEC / Intel OPS standard)
OPS Max. Current / Power Consumption [A / W]	3.5 / 63

Electrical

Power Consumption [W]	365 Eco (shipment setting), 620
Power Savings Mode [W]	< 0.5; < 2 (Networked Standby)

Environmental Conditions

Operating Temperature [°C]	+0 to +40
Operating Humidity [%]	10 to 90

Mechanical

Dimensions (W x H x D) [mm]	Without stand: 1,957.1 x 1,159.8 x 86.8
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Weight [kg]	Without stand: 67.3
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Bezel Width [mm]	17.7 (left, right and top); 45.7 (bottom)
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VESA Mounting [mm]	4 holes; 800 x 600 (FDMI); M8
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Embedded Computing

System Memory	2G RAM
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Internal Storage	16GB ROM
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Built-in Applications	File Manager; Input Select; Setting; Web Browser; Whiteboard - Mosaic Canvas; Wireless Presentation - Mosaic Connect
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Available Software

Free Software Included	Mosaic Connect
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Available Options

Accessories	Soundbar (Active Collaboration Soundbar SP-ASCM - not supported by embedded compute); Trolley (PD02MHM-CB86, PD02MHA-CB86, PD03MHA-CB86); Wall mount (BalanceBox 400 HEAVY; 1x standard wall mount included); Wireless LAN module NP05LM2 (Europe); Wireless LAN Module NP05LM4 (Russia)
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OPS Slot	HDBaseT receiver; Intel® Atom, Celeron and Core CPUs; OPS-2C Quad 3G SDI
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Regulatory

Safety and Ergonomics	BSMI; CE; EAC; EMC Class B; FCC; PSB; RCM; REACH; RoHS; SASO; UL/C-UL
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Additional Features

Special Characteristics	AMX NetLinx Support; HDMI with UHD at 60 Hz; NaViSet Administrator 2 - free download; Scheduler
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Colour Versions	Black Front Bezel, Black Back Cabinet
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Audio	Integrated Speakers (2 x 12 W)
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Shipping Content	3 x Stylus; HDMI Cable; Power Cable; Remote Control; USB cable; User Manual; VGA cable; Wall Mount
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Warranty	3 years warranty incl. backlight
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Operating Hours	12/7
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