\Orchestrating a brighter world NEC

MultiSync® CB861Q (Infrared Touch)

LCD 86" Infrared Touch Collaboration Display

Datasheet

Enter a world of interactive white-boarding

Upgrade your lectures and meetings with NEC's all-in-one collaboration boards, in three different sizes, featuring UHD resolution and up to 20 touch points. Based on infrared touch technology the user experiences perfect usability with a rapid touch response. Business and educational sessions start-up instantly with built-in whiteboard and wireless screen sharing functionalities without any hidden costs. The embedded annotation tool lets you annotate over any content shown on the screen.

For more demanding applications, the OPS slot provides the opportunity to enhance the computing power. With sizes including 65'', 75'' and 86'', the NEC CB Series offers the ideal solution for your meeting and class rooms.

All NEC CB Series displays come with three magnetic pens and a wall-mount fitting for easy installation.

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

Ease of Use – enhance the display with an optional "Windows based" Slot-in-PC using the integrated Ultra High Resolution OPS option slot, thereby simplifying installations and reducing the points of failure.

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	MultiSync® CB861Q (Infrared Touch)
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/m²]	350, 300 (shipment setting)
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

Synchronisation Rate

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

Resolution

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

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 Eco/max. [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
Weight [kg]	Without stand: 67.3
Bezel Width [mm]	17.7 (left, right and top); 45.7 (bottom)
VESA Mounting [mm]	4 holes; 800 x 600 (FDMI); M8

Glass

Thickness [mm]	4
Type	Thermal-tempered, anti-glare coating
Light Transmission [%]	88 (+/- 1 %)
Reflection Rate [%]	4
Hardness [H]	7

Touch

Touch Technology	Infrared Touch
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, Windows 8, Windows 10, Linux, Android; Default Mouse: Windows XP, Windows Vista, Mac OS X
Data Interface	USB-HID
Accuracy [mm]	< 2

Embedded Computing

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

Available Options

Accessories	Soundbar (Active Collaboration Soundbar SP-ASCM - not supported by embedded compute); Trolley (PD02MHM-CB86, PD02MHA-CB86, PD03MHA-CB86); Wall mount (BalanceBox400-2 XL; 1x standard wall mount included); Wireless LAN module NP05LM2 (Europe); Wireless LAN Module NP05LM4 (Russia)
OPS Slot	HDBaseT receiver; Intel® Atom, Celeron and Core CPUs; OPS-2C Quad 3G SDI

Green Features

Energy Efficiency	Energy efficiency class: C

Additional Features

Special Characteristics	AMX NetLinx Support; DICOM Simulation; HDMI with UHD at 60 Hz; NaViSet Administrator 2; Scheduler
Colour Versions	Black Front Bezel, Black Back Cabinet
Safety and Ergonomics	BSMI; CE; EAC; EMC Class B; FCC; PSB; RCM; REACH; RoHS; SASO; UL/C-UL
Audio	Integrated Speakers (2 x 12 W)
Shipping Content	3 x Stylus; HDMI Cable; Power Cable; Remote Control; USB cable; User Manual; VGA cable; Wall Mount

Warranty	3 years warranty incl. backlight
Operating Hours	12/7

CE RCM RoHS

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* Model subject to availability in your region.

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