NEC MultiSync® CB651Q-2

LCD 65” 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.

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.

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

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® CB651Q-2
Product Group	LCD 65" Infrared Touch Collaboration Display
Order Code	60005410

Display

Panel Technology	IPS with Direct LED backlights
Active Screen Area (W x H) [mm]	1,428.5 x 803.5
Screen Size [inch/cm]	65 / 163.9
Aspect Ratio	16:9
Pixel Pitch [mm]	0.372
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

Glass

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

Synchronisation Rate

Horizontal Frequency [kHz]	26 - 135
Vertical Frequency [Hz]	23 - 86

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)	

Connectivity

Input Video Analogue	1 x VGA
Input Video Digital	3 x HDMI
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	1 x 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]	165 Eco (shipment setting), 400
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: 1,488.4 x 896.8 x 87.5
Weight [kg]	Without stand: 39.2
Bezel Width [mm]	17.7 (left, right and top); 45.7 (bottom)
VESA Mounting [mm]	4 holes; 600 x 400 (FDMI); M8

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, Windows 8, Windows 10, Linux, Android; Default Mouse: Windows XP, Windows Vista, Mac OS X
Data Interface	USB-HID
Accuracy [mm]	< 2
Palm Rejection	no
Windows Ink	no

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 (PD02MHA, PD03MHA); Wall mount (BalanceBox 400 MEDIUM; 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

Additional Features

Special Characteristics	AMX NetLinx Support; 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



RCM



CE



RoHS

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