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NEC InfinityBoard



NEC InfinityBoard: The all-in-one solution for your meeting room

Meeting rooms are evolving into multi-usage spaces. NEC's InfinityBoard is designed to fit your meeting scenario, whilst perfectly fulfilling your needs for a powerful and scalable workspace.

Presenting, brainstorming, reviewing, video conferencing or collaborating whatever the objectives of your meeting, the NEC InfinityBoard presents a perfect fit modular solution to achieve your desired meeting environment. Designed on the Ultra-High Definition (UHD) NEC MultiSync® 65" and 84" InGlass™ touch displays, it comes with stylus pens and wireless presenting functionality. The powerful Slot-In PC is based on the industry leading Open Pluggable Standard (OPS) interface - granting you flexibility for future upgrades.

NEC InfinityBoard, infinite possibilities to facilitate collaboration, drive productivity and keep employees attentive and motivated.

Delivering Genuine Benefits

Custom fit to your application needs - modular approach with Windows 10 operating system makes this a highly flexible solution supporting your company specific apps to succeed in your business.

Natural writing experience - it's like working on paper! Whether using finger, pen or palm erasing, the InGlass™ touch technology provides seamless interactive touch performance.

Best in class visual performance - benefit from a "pixel-free" Ultra-High Definition (UHD) visual performance - available in 65" and 84" sizes.

Facilitate productive communication - enjoy a dynamic video conferencing experience with the dedicated conferencing camera and superior audio speakers.

The tool-box to perform and achieve desired results - Mosaic Hub is the interactive presenting application, whiteboard, video conferencing and collaboration app, allowing you to maximise the objectives of your meeting.

Future-proof PC option & reduced footprint - the integrated Slot-In PC using the integrated OPS option slot future-proofs your investment whilst reducing the product footprint and installation efforts.

NEC InfinityBoard Components

65" & 84" UHD Touch Display



- UHD "pixel-free" viewing in 65" or 84" size and accurate colour visualisation controlled by NEC's SpectraView® colour engine.
- Intuitive pen writing, palm erasing and finger touch, provided by InGlass™ touch technology.
- Natural pen response with no lag and glass surface with paper-like writing experience.

Complete technical specification can be found from page 4 of the information sheet.

Conference Speakers



Conference Speakers Specifications

Maximum Input	40W
Rated Speaker Impedance	8 Ohm
Frequency Response Range	70Hz to 15kHz
Sound Pressure Level	82.1dB (2.83V)

- Excellent speech intelligibility for video conferencing with ultra-low distortion speakers.
- Sophisticated engineering with crisp audio; the solid MDF cabinet effectively minimises potential resonances and interactions with the loudspeaker.
- Perfect fit design and smooth Huddly camera integration option on both speakers to best fit to any room setup and light conditions.

Video Conference Camera



Video Conference Camera Specifications

Viewing Angle	152° diagonal, 120° horizontal, 92° vertical
Resolution	16 megapixels sensor / HD 720p 30fps output
Aspect Ratio	16:9
Optical Capabilities	Digital Pan / Tilt / Zoom with 3x lossless digital zoom
Driver	Plug & Play - driverless install
Connectivity	SuperSpeed USB 3.0
Software Specification	Spatio-temporal noise filtering / High-quality video scaling and de-warping flicker elimination / Robust automatic white balance / Optical aberration correction / 3DNR sensor-model based visual noise reduction

- Encompass the entire meeting room with 120° viewing angle.
- Perfect viewing at any distance, whether standing in front of the board or sitting at the back.
- Auto-adapts to any lighting condition.

NEC InfinityBoard Components

OPS Slot-In PC



- Maximum flexibility with pre-installed Microsoft Windows 10 IoT Enterprise to install applications according to your needs.
- Modular OPS Slot-In PC approach allows future performance upgrades.

OPS Slot-In PC Specifications

CPU	Intel® 6th Generation Core i7 vPro-6820EQ 8M Cache 4x 2.8GHz
Graphics	Intel® HD Graphics 530
SSD	SATA SSD (mSATA) 6Gb/s (MLC); 128GB
RAM	2x 260 pin DDR4 SO-DIMM dual channel (2133 / 1866MHz, 8GB)
Operating System	Microsoft Windows 10 IoT Enterprise
Connectivity	1x mini DP out (max. 4096x2304 @ 60Hz) 1x LAN (RJ45, Intel® i211AT Giga LAN) 2x USB 3.0 (1.50A) 1x Microphone in 1x Headphone out 1x SD Card Slot

- OPS slot allows easy display integration eliminating separate power demands or video / audio cabling.

MultiPresenter Stick



- Wireless Presentation solution for NEC Projectors and Displays, supporting multiple simultaneous connections on Win / MAC / iOS / Android.
- Allows to connect and show up to 16 mobile devices.
- Multi-OS to support BYOD initiatives.
- Screen mirroring on Android / Mac / Win.
- Easy connection by PIN code.
- Image and file sharing.
- Direct connection as well as infrastructure integration.

Passive Precision Pen



- Passive pen with handy ergonomics, like a pencil.
- 2 mm smart tip designed for a smooth, natural writing experience.
- Save replacement costs compared to active pens.

Mosaic Software Suite

Mosaic Hub

- Mosaic Hub is a Screen to Screen & Room collaboration that brings together teams in different locations to create and share content.
- It is designed to advance the way people work together with and on an NEC InfinityBoard.
- Integrates with market-leading communication solutions like Skype for Business, Box, Drive plus comes with native video chat for one-to-one communication.
- Users can join the session via their own device both in-room and remote using Mosaic Connect (coming soon).
- One year free subscription included with the NEC InfinityBoard.

Mosaic Canvas

- With Canvas, multiple users can annotate on the display at the same time.
- Keep control of your ideas, zooming in & out on the large and flexible whiteboard canvas and benefit from the magnifier to keep focused on your detailed working area.
- Bring colour to your ideas by importing media, screen-grabs, adding post-its and text.
- Customise your tool palette and drag and drop the tools you use the most for quick and easy access.

Technical Specifications

Product Name	65" NEC InfinityBoard	84" NEC InfinityBoard
Order Code	X651UHD-INF-B	X841UHD-INF-B
Scope of Supply	X651UHD-2 IGB Display, OPS Slot-In PC incl. Windows 10 IoT, Huddly Camera, SP-651SM Speaker, 2x passive Pen, NEC MultiPresenter Stick	X841UHD-2 IGB Display, OPS Slot-In PC incl. Windows 10 IoT, Huddly Camera, SP-841SM Speaker, 2x passive Pen, NEC MultiPresenter Stick
Display		
Panel Technology	S-IPS with Edge LED backlights	S-IPS with Edge LED backlights
Active Screen Area (W x H)	1,428 x 804mm	1,860 x 1,046mm
Screen Size	65" / 165cm	84" / 213.5cm
Brightness	450; 270cd/m ² - Eco (shipment setting)	500; 300cd/m ² - Eco (shipment setting)
Contrast Ratio (typ.)	1300:1	1400:1
Viewing Angle	178° horizontal / 178° vertical (typ. at contrast ratio 10:1)	178° horizontal / 178° vertical (typ. at contrast ratio 10:1)
Response Time (typ.)	8ms (grey-to-grey)	12ms (grey-to-grey)
Haze Level	10%	10%
Supported Orientation	Face Up; Landscape; Portrait	Face Up; Landscape; Portrait
Synchronisation Rate		
Horizontal Frequency	31.5 - 91.1kHz (analog and digital)	31.5 - 91.1kHz (analog and digital)
Vertical Frequency	50 - 85Hz	50 - 85Hz
Resolution		
Native Resolution	3840x2160 at 60Hz	3840x2160 at 60Hz
Supported on DisplayPort and HDMI	3840x2160 (24 / 30Hz); 1920x1080; 1600x1200; 1360x768; 1280x1024; 1280x768; 1080i; 1080p; 1024x768; 800x600; 720p (50 / 60Hz); 640x480; 480p (60Hz)	
Connectivity		
Input Video Digital	1x DisplayPort (with HDCP); 2x DVI-D (with HDCP); 4x HDMI (with HDCP)	1x DisplayPort (with HDCP); 2x DVI-D (with HDCP); 4x HDMI (with HDCP)
Input Audio Analogue	1x 3.5mm jack	1x 3.5mm jack
Input Audio Digital	1x HDMI; DisplayPort	1x HDMI; DisplayPort
Input Control	LAN 100Mbit; remote control wire (3.5mm jack); RS-232	LAN 100Mbit; remote control wire (3.5mm jack); RS-232
Output Control	LAN 100Mbit	LAN 100Mbit

Technical Specifications

Product Name	65" NEC InfinityBoard	84" NEC InfinityBoard
Remote Control	LAN with SNMP; Remote Control IR (internal / external (optional) sensor); RS-232C (9-pin D-sub) Input	LAN with SNMP; Remote Control IR (internal / external (optional) sensor); RS-232C (9-pin D-sub) Input
Open Modular Intelligence		
Slot Technology	Open pluggable specification (NEC / Intel OPS standard)	Open pluggable specification (NEC / Intel OPS standard)
Inrush Current	max. 10A	max. 10A
Power Consumption	max. 61W	max. 61W
Voltage / Current	16V / 4A	16V / 4A
Electrical		
Power Consumption	164W Eco (shipment setting); 212W	342W Eco (shipment setting); 512W
Power Savings Mode	< 0.5W (ECO Standby); < 2.5W	< 0.5W (ECO Standby); < 2.5W
Power Management	VESA DPMS	VESA DPMS
Environmental Conditions		
Operating Temperature	+0 to +35 °C	+0 to +35 °C
Operating Humidity	20 to 80%	20 to 80%
Mechanical		
Bezel Width	19.7mm (top and bottom); 19.9mm (left and right)	22mm
VESA Mounting	4 holes; 400 x 400mm (FDMI); M8	4 holes; 400 x 400mm (FDMI); M8
Dimension (W x H x D)	1,724 x 881 x 91mm	2,179 x 1,151 x 90mm
Weight	75kg	97kg
Glass		
Thickness	3mm	3mm
Type	Premium toughened protective glass, anti-glare coating	Premium toughened protective glass, anti-glare coating
Light Transmission	≥ 88%	≥ 88%
Touch		
Touch Technology	InGlass™ Touch	InGlass™ Touch
Number of Touches	Real Multi-Touch with up to 20 touch points	Real Multi-Touch with up to 20 touch points
Response Time	≤ 15ms	≤ 15ms

Technical Specifications

Product Name	65" NEC InfinityBoard	84" NEC InfinityBoard
Touch Active Area (W x H)	1,428 x 804mm	1,862 x 1,049mm
Touch Method	Finger; Gloves; Stylus (≥ 2 mm)	Finger; Gloves; Stylus (≥ 2 mm)
Operating System	Native Multi-Touch: Windows 7, Windows 8, Windows 10, Linux, Android; Default Mouse: Windows XP, Windows Vista	Native Multi-Touch: Windows 7, Windows 8, Windows 10, Linux, Android; Default Mouse: Windows XP, Windows Vista
Data Interface	USB-HID	USB-HID
Accuracy	< 1mm	< 1mm
Package		
Dimension (W x H x D)	Box 1: 1,736 x 1,054 x 320mm (75kg) Box 2: 1,000 x 200 x 200mm (9kg) Box 3: 430 x 310 x 26.5mm (2kg)	Box 1: 1,736 x 1,054 x 320mm (100kg) Box 2: 1,000 x 200 x 200mm (11.2kg) Box 3: 430 x 310 x 26.5mm (2kg)
Additional Features		
Special Characteristics	Carbon footprint meter; DICOM support; NaViSet Administrator 2	Carbon footprint meter; DICOM support; NaViSet Administrator 2
Colour Versions	Black Front Bezel, Black Back Cabinet	Black Front Bezel, Black Back Cabinet
Safety and Ergonomics	CE; RoHS; RCM	CE; RoHS; RCM
Audio	Integrated Speakers (10W + 10W); External Speakers (40W + 40W)	Integrated Speakers (10W + 10W); External Speakers (40W + 40W)
Operating Hours	24 / 7	24 / 7
Warranty	3 years warranty incl. backlight; additional services available	

