NEC InfinityBoard
Create – Collaborate – Communicate

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, while 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 NEC MultiSync® 55", 75", and 86" 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 55", 75", and 86" 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 maximize 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 while reducing the product footprint and installation efforts.

InfinityBoard Components

55", 75", and 86" UHD Touch Display

Technical specification are shown on page 4 of the datasheet

- UHD "pixel-free" viewing in 55", 75" and 86" size and accurate color visualization controlled by NEC's SpectraView® color 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
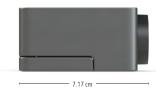
Conference Speakers

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

- Excellent speech intelligibility for video conferencing with ultra-low distortion speakers

- Sophisticated engineering with crisp audio; the solid MDF cabinet effectively minimizes 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

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 dewarping 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

OPS Slot-In PC

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); 128 GB
RAM	2x 260 pin DDR4 SO-DIMM dual channel (2133/1866 MHz, 8 GB)
Operating System	Microsoft Windows 10 IoT Enterprise
Connectivity	1x mini DP out (max. 4096 x 2304 @ 60Hz) 1x LAN (Rj45, Intel® i211AT Giga LAN) 2x USB 3.0 (1.50A) 1x Microphone in 1x Headphone out 1x SD Card Slot

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

Mosaic Software Suite

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NEC InfinityBoard

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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 is included with the 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 color to your ideas by importing media, screengrabs, adding post-its and text

- Customize your tool palette and drag and drop the tools you use the most for quick and easy access

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

MODEL		3720-INF2-55	3720-INF2-75	3720-INF2-86
LCD MODULE	Panel Technology	SPVA	E-LED, S-IPS	
	Viewable Image Size	55"	75"	86"
	Native Resolution	3840 x 2160		
	Brightness (Typical/Maximum)	400 cd/m² /500 cd/m²	350 cd/m² /500 cd/m²	
	Contrast Ratio (Typical)	4000:1	1200:1 native, not including localized dimming	
	Viewing Angle	178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>10		
	Aspect Ratio	16:9		
	Displayable Colors	Over 1.07 Billion		
	Orientation	Landscape and Portrait		
	Panel Haze (%)	28		
CONNECTIVITY	Input Terminals			
	Digital	DisplayPort (with HDCP), HDMI x4 (with HDCP), DVI-D (Dual-Link with HDCP)	HDMI 2.0 x3 (with HDCP), DisplayPort 1.2 x2 (with HDCP)	
	Analog	None		
	Audio	Audio Mini-Jack, DisplayPort Audio, HDMI Audio x4	3.5mm Mini Jack , HDMI Audio x3, DisplayPort Audio x2	
	External Control	RS-232C, LAN, IR Remote In	LAN (100Mbit), 3.5 Mini Jack IR Remote, RS232C	
	Data		microSD (Media Player), USB 2.0 (Media Player), USB 2.0 (Service), USB Type-B (Upstream), USB 2.0 x2 (Compute Module, USB CM1 is Powered 5V/2A)	
	Output Terminals			
	Digital		DisplayPort (Outputs DisplayPort1 and OPS (1CH DisplayPort Only))	
	Analog	None		
	Audio	Audio Mini-Jack	3.5mm Audio Mini Jack, External Speaker Jack x2	
	External Control	LAN	LAN (100Mb)	
POWER CONSUMPTION	On (Typ/Max Brightness/ Overall Max)	150W	155W/210W/340W	230W/300W/425W
	Network Standby	2W		
	Normal Standby	0.5W		
	Current Rating		4.0A @ 100V, 1.7A @ 240V	5.0A @ 100V, 2.1A @ 240V
	Speaker Rating		Integrated 10W x 2, Optional 15W x 2	
PHYSICAL SPECIFICATIONS	Bezel Width (L/R, T/B)	0.73 in. / 0.73 in. , 0.73 in. / 0.73 in. ; 18.5mm/18.5mm , 18.5mm/18.5mm	14.8mm/14.8mm/ 14.8mm/14.8mm	15.3mm/15.3mm/ 15.3mm/15.3mm
	Net Dimensions (Without stand; W x H x D)	50.6 x 34.5 x 3.2 in / 1284.5 x 877.3 x 82.4 mm	76.6 x 39.5 x 3.4 in / 1944.6 x 1003 x 86 mm	86.3 x 45 x 3.4 in / 2192 x 1142 x 86 mm
	Net Weight (Without Stand)	100.8 lbs/ 45.7 kg	177 lbs/ 80.3 kg	202.1 lbs/ 91.69 kg
	VESA Hole Configuration	400 x 400mm (4-hole)	8x M8 x 16mm (600 x 400, 400 x 400)	
SENSORS	Ambient Light Sensor	Integrated and programmable		
	Human Sensor	Optional through KT-RC2 Accessory		
	Temperature Sensor	Integrated and programmable; linked to cooling fans		
	NFC Sensor	Integrated; works in conjunction with free NEC Intelligent Wireless Data Application		
ENVIRONMENTAL CONDITIONS	Operating Temperature	0 to 40C		
	Operating Humidity	20-80%		
	Operating Altitude	3000m (9843ft)		
LIMITED WARRANTY		3 years Advanced Replacement		
ADDITIONAL FEATURES		Multi Picture Mode, SpectraView Engine Mode, Advanced thermal capabilities, Ethernet Control and Communication, RS-232 Control and Communication, Carbon Footpring Meter, Full 24/7 Scheduler, Ambient Light Sensor, Intelligent Wireless Data through NFC (App separate), OPS Expansion Slot, Fixed/Variable Audio Out, Input Labeling, Built-In Speakers, LED Backlighting	HDR Gamma Support (HLG nand PQ), Localized Dimming, Ambient Light Sensor, AMX Support, Auto ID/Auto TileMatrix, Automated Email Alert Function, CEC Support through HDMI, Crestron Roomview Support, DICOM Simulation, Display Browser Control, Display Wall Calibrator Compatible, High Haze Panel, Image Flip, Intelligent Wireless Data (NFC), Key Guide, Media Player through Browser Control/SD Card/USB, Multi Picture Mode, NaViSet Administrator 2 Compatible, OSD Rotation for Portrait Orientation, OPS Compatible, PJ Link Support, Point Zoom Function, Power USB Port (5V/2A), Programmable LUT x3, Raspberry Pi Compute Module Compatible, Removable Logo Ornament, Real Time Clock, SpectraView Engine Support, SNMP Support, 24-Hour Scheduler Function	
SHIPS WITH		Power Cord, DisplayPort Cable, Mini-DisplayPort to DisplayPort Cable, Wireless Remote Control, AAA Batteries, Setup Manual, CD-ROM, Screw, Clamp	3m AC Power Cord, 1.8m HDMI cable, 1.8m DisplayPort Cable, IR Remote Control, Batteries, CD-ROM (User Manual)	
OPTIONAL ACCESSORIES		Stand (ST-651 for X651UHD-2, ST-801 for X841UHD-2/ X981UHD-2), External Rear-Mounted Speaker (SP-RM1), External Thin Side-Mounted Speaker (SP-TF1), Intel Broadwell OPS PC (OPS-PCIB-PS), HDMI 2.0 / DisplayPort 1.2 OPS Option Board (SB-08DC)	Table Top Stand (ST-801), Optional Speakers (SP-TF1), All OPS Option Cards, Raspberry Pi Compute Module 1 and 3 with optional NEC Interface Board, Large Wall Mount (WMK-6598), Regular Wall Mount (WMK-3257 for, V754Q, and V864Q only) Slim Wall Mount (WMK-3255S for V754Q/V864Q), Human Sensor (KT-RC2)	