

Product Information Sheet

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 (≥ 2mm) | Finger; Gloves; Stylus (≥ 2mm) |
| 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 | |



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