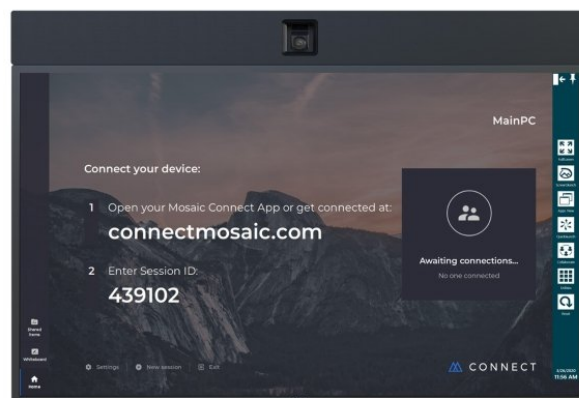


NEC 55" InfinityBoard® 2.1 QL



Your meeting room companion

NEC's InfinityBoard is a powerful and scalable workspace that is designed to fit any meeting scenario. Brainstorming, reviewing, video conferencing or collaborating, whatever the objectives of your meeting, the InfinityBoard is the modular solution that's here to help create your ideal meeting space.

Designed to 'just work', the InfinityBoard supports any scenario – from multiple presenters to large groups with remote participation. In virtual workspaces, collaboration lifts to a new level and interactive meetings boost group work efficiency.

The InfinityBoard comes with an ultra-high definition InGlass™ touch display and two passive pens. Its design also includes an ultra-wide angle Huddly IQ video conferencing camera and high-end conference speakers. The combination of an open platform slot-in PC and Windows 10 Professional allows to tailor the solution according to the customers' requirements without restriction to any particular software, video conferencing app or infrastructure. Quicklaunch™ is a simple and secure meeting room interface that provides multi-platform integration to transform the InfinityBoard into a one-click meeting space.

Benefits

Natural writing experience – it's like working on paper! Whether using finger or pen, the InGlass™ touch technology provides seamless interactive touch performance including Windows Ink and palm rejection.

Simplify smart video conferencing – enjoy perfect audio and video quality with an integrated ultra-wide-angle camera with auto-framing and high-end conference speakers.

Future-proof PC option and 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.

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.

Peace of mind – room reset and lockdown mode make it a secure solution for IT and end users.

Specifications

Product Information

Product Name

NEC 55" InfinityBoard® 2.1 QL

Product Group

LCD 55" All-in-One Collaboration Solution

Order Code

40001442

Display

Panel Technology

IPS with Edge LED backlights

Active Screen Area (W x H) [mm]

1,209.6 x 680.4

Screen Size [inch/cm]

55 / 138.78

Aspect Ratio

16:9

Pixel Pitch [mm]

0.315

Brightness [cd/m²]

500

Contrast Ratio (typ.)

1100:1

Viewing Angle [°]

178 / 178 (at contrast ratio > 10:1)

Colour Depth [bn]

1.073 (10bit)

Response Time (typ.) [ms]

8 (grey-to-grey)

Panel Refresh Rate [Hz]

60

Haze Level [%]

Pro (28)

Supported Orientation

Face Up ¹; Landscape; Portrait

Touch

Touch Technology

InGlass™

Number of Touches

Real multi-touch up to 20 touches

Response Time [ms]

≤ 15

Touch Method

Finger; Gloves; Stylus (≥ 2 mm)

Supported Operating System

Native Multi-Touch: Windows 7-11, Linux, Android; Default Mouse: Windows XP and Vista, Mac OS

Data Interface

USB-HID

Accuracy [mm]

< 1

Protective Glass

Type

Premium toughened glass, anti-glare coating

Thickness [mm]

3

Light Transmission [%]

88 (+/- 1 %)

Resolution

Native Resolution

3840 x 2160

Supported Resolutions

1024 x 768;	1400 x 1050;	1920 x 1200;
1280 x 1024;	1440 x 900;	1920 x 2160;
1280 x 720;	1600 x 1200;	4096 x 2160
1360 x 768;	1650 x 1050;	
1366 x 768;	1920 x 1080;	

Synchronisation Rate

Horizontal Frequency [kHz]

26 - 135

Vertical Frequency [Hz]

23 - 86

Connectivity

Input Video Digital

1 x OPS Slot; 2 x DisplayPort (with HDCP); 3 x HDMI (with HDCP)

Input Audio Analogue

1 x 3,5 mm jack

Input Audio Digital

2 x DisplayPort; 3 x HDMI

Input Control

LAN 100Mbit; remote control wire (3,5mm jack); RS232

Input Data

1 x microSD (MediaPlayer); 1 x USB 2.0 (Downstream); 1 x USB 2.0 (MediaPlayer); 1 x USB Type-B (Upstream); 2 x USB 2.0 (Compute Module, 1 x 5V/2A powered)

Output Video Digital

1 x DisplayPort (loop through: DisplayPort, OPS slot-in PC)

Output Audio Analogue

1 x 3,5 mm jack

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]

4.7 / 75

Compute Module Slot

Slot Technology: Compute Module 3 Slot (NEC proprietary standard)

Sensors

Human Sensor

Optional, external, 4-5m range, triggered actions programmable

Temperature Sensor

Integrated, 1 sensors, triggered actions programmable

Electrical

Power Consumption [W]

132 Eco (shipment setting)

Power Savings Mode [W]

< 0.5; < 2 (Networked Standby)

Power Management

VESA DPMS

Environmental Conditions

Operating Temperature [°C]

+0 to +35

Operating Humidity [%]

20 to 80

Storage Humidity [%]

10 to 90

Storage Temperature [°C]

-20 to 60

Mechanical

Dimensions (W x H x D) [mm]

1,284.5 x 877.3 x 90.6

Weight [kg]

46.82

Bezel Width [mm]

18.4 (bottom); 18.4 (left/right/top)

VESA Mounting [mm]

300 x 300 (FDMI); 4 holes; M6

Ingress Protection

IP5x (front); IP2x (back)

Packaging Dimensions (W x H x D) [mm]

Box 1: 1,430 x 250 x 920

Packaging Weight [kg]

Box 1: 48.3; Box 2: 9.8

MediaPlayer

Supported File Storage / File System

MicroSDHC / FAT16, FAT32; USB 2.0 / FAT16, FAT32

Supported Image Formats

JPG (baseline, progressive, RGB, CMYK); max. resolution 5000 x 5000; PNG (interlace, alpha channel); max. resolution 4000 x 4000

Supported Video Formats

MP4 / MOV / FLV (video H.264, audio MP3, AAC); max. resolution 1080p at 30 Hz, 1080i at 60 Hz; MPG (video mpeg1/2, audio mpeg audio layer2/3, AAC-LC); MP @ ML, MP @ HL; WMV (video H.264, wmv advanced L3, wmv simple / main, audio mp3 wmv std); max. resolution 1080p at 30 Hz, 1080i at 60 Hz

Supported Audio Formats

MP3 (MP3); max. bit-rate 320 kBit/s; WAV (LPCM); max. 48 kHz sampling

Video Conference Camera

Camera Model

Huddly IQ (no microphone)

Viewing Angle [°]

150 diagonal / 120 horizontal / 90 vertical

Resolution

Output HD 1080p
30fps

Aspect Ratio

16:9

Optical Capabilities

Digital Pan / Tilt / Zoom with 3x lossless digital zoom

Driver

Plug&Play, driverless install

Connectivity

SuperSpeed USB

Software Specification

3DNR sensor-model-based visual noise reduction; Flicker elimination; Genius Framing; High-quality video scaling and dewarping; Huddly InSights analytics API; Optical aberration correction; Robust automatic white balance; Spatio-temporal noise filtering

Conference Speakers

Input (max.) [W]

40; 8

Frequency Response Rate [Hz-kHz]

70 to 15

Sound Pressure Level [dB]

82.1 (2.83 V)

OPS Slot-In PC

CPU

Intel® i7 4 x 3 GHz base frequency (up to 3.7 GHz turbo mode)

Graphics

630 integrated Gen9-LP graphics controller

SSD

up to 2 M.2 SSD (SATA), 256 GB

RAM

16 GB (DDR4), dual channel mode

Operating System

Microsoft Windows 10 Professional

Interfaces Frontside

1 x Micro Sim Card; 1 x USB 2.0; 1 x USB 3.1 Gen1 Type C; 2 x Antenna for WiFi; 2 x DisplayPort 1.2 ++; 2 x USB 3.0; RJ45 10 / 100 / 1000 Mbps

Interfaces Backside

Internal HDMI 1.4 or DisplayPort 1.2; Internal OPS interface to OPS slot-in PC (JAE 80-pin connector)

Wi-Fi

Intel Dual Band Wireless-AC 8260 802.11ac, dual band; Wi-Fi and bluetooth 4.2 adapter

Security

TPM (Trusted Platform Module)

EDID/DDC Support

Internal OPS Interface DisplayPort up to 4096 x 2160 at 60 Hz

Microphone/Echo-Cancelling

Frequency [kHz]

32, sampling frequency

Bandwidth [Hz - kHz]

100 to 16

Echo Cancelling

2 levels of echo cancelling, aggressiveness and 3 levels of echo cancelling speed

Controllable Teil Length [mms]

up to 220

Noise Supression

Residual noise suppressed to environment noise level to prevent pumping noise

Pre-set Colour Filters

8 pre-set colour filters for both the output and the speaker signal

Delay [msec]

10

Mic Level [mV]

280 peak-to-peak

Line Level [V]

2/4 peak-to-peak

Boost [dB]

6

Available Software

Free Software Included

Mosaic Connect

Software

FlatFrog Board (single user license); Hoylu (single user license); Quicklaunch Ultimate Edition (incl. 3 years maintenance and support); Windows 10 Professional

Available Options

Accessories

Trolley (PD03Tipster, PDMHM-L, PD02MHA, PD03MHA); Wall mount (BalanceBox 400 MEDIUM, PDW S 32-55 L)

Compute Module Slot

NEC Compute Module; Raspberry Pi Compute Module 1 and 3

OPS Slot

HDBaseT receiver; Intel® Atom, Celeron and Core CPUs; OPS-2C Quad 3G SDI

Regulatory

Safety and Ergonomics

CE; EAC; EMC Class B; FCC; RCM; REACH; RoHS; UL/C-UL

Pixel Failure Class

ISO 9241-307, Class 1

Green Features

Energy Efficiency

ECOMode; Energy Efficiency Class: B; Human Sensor; LED Backlight

Additional Features

Special Characteristics

12-bit Look Up table; AMX NetLinx Support; Auto ID assignment; Auto tiling function; Automated Email Alert; CEC Support; Cisco Webex Kit compatible; Crestron Connected Support; Crestron RoomView Support; DICOM Simulation; Emergency Notification; HDMI with UHD at 60 Hz; HDR Gamma Support (PQ, HLG); Intelligent Wireless Data (based on NFC); KeyGuide; NaViSet Administrator 2 - free download; OSD rotation for portrait mode; PJLink Support; Powered USB-Port; Scheduler; Screen saver functions; SNMP Support; TileMatrix (10 x 10); USB Media Player

Audio

Integrated Speakers (10 W + 10 W)

Shipping Content

1x 10 cm USB Cable; 2 x Stylus; 2x 300 cm USB Cable; Cable Clamps; Collaboration Soundbar; Display; DisplayPort Cable; HDMI Cable; OPS Slot-in PC; Power Cable; Remote Control; User Manual

Operating Hours

24/7

¹ adjusted usage conditions for face up/down installations, please refer to operational guidelines or contact our support



RCM



RoHS



CE

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