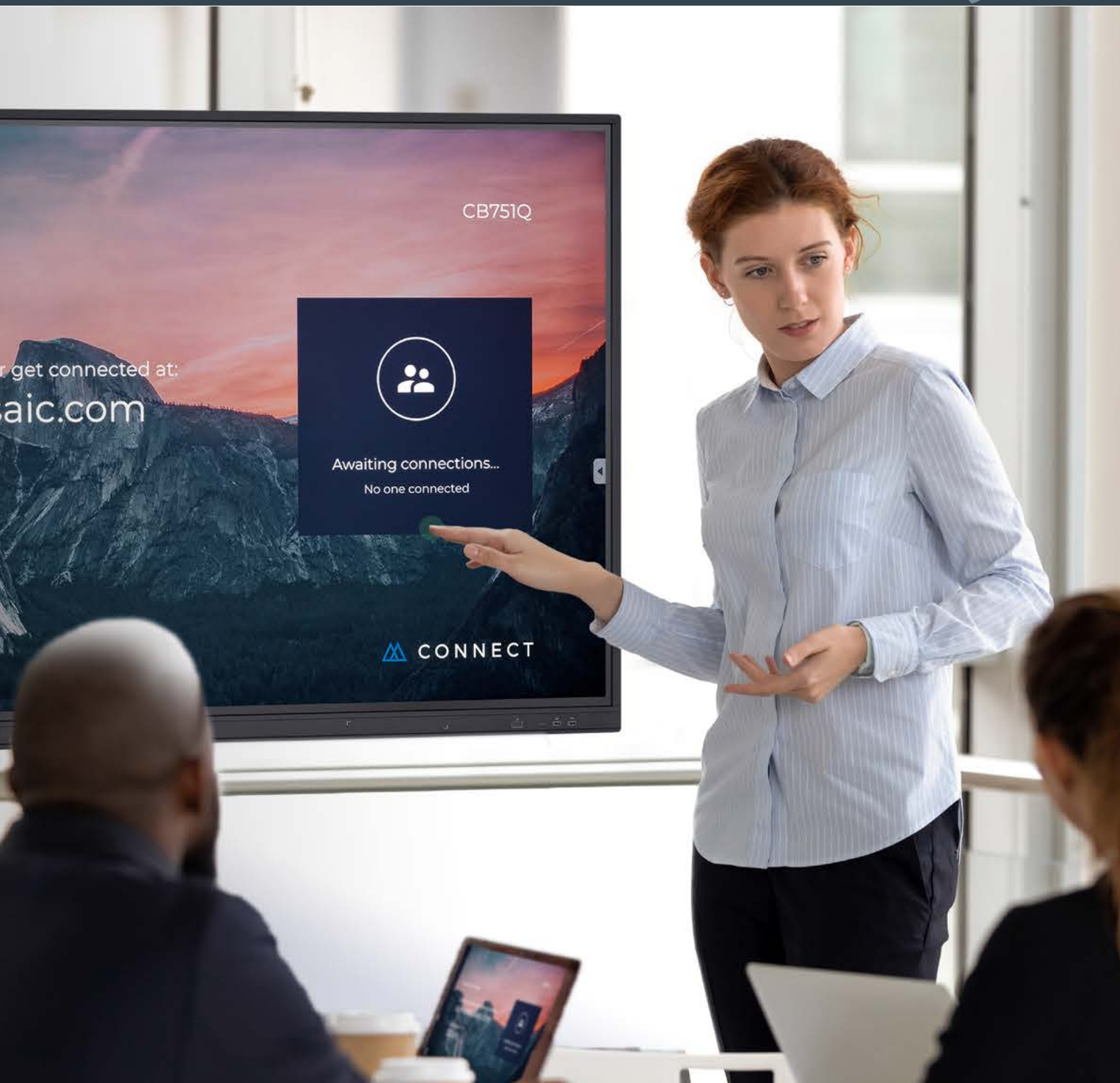\Orchestrating a brighter world

NEC

# Enter a World of Interactive Whiteboarding

NEC MultiSync® CB Series, all-in-one collaborative solution

# NEC Collaboration Board: Interactive whiteboarding and wireless presentation, off the shelf

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.

## Highlights

### Delivering Genuine Benefits

- **Out-of-the-box collaboration –** thanks to embedded computing with built-in annotation tools and wireless presentation capabilities.

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

- **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.

- **Simple operation –** with easy front access to USB ports and controls for major functionalities

- **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.

- **Cost Saving Device Management –** save effort whilst managing all connected NEC devices from a centralised location by using the NaViSet Administrator 2 software tool

MultiSync® CB861Q / CB751Q / CB651Q

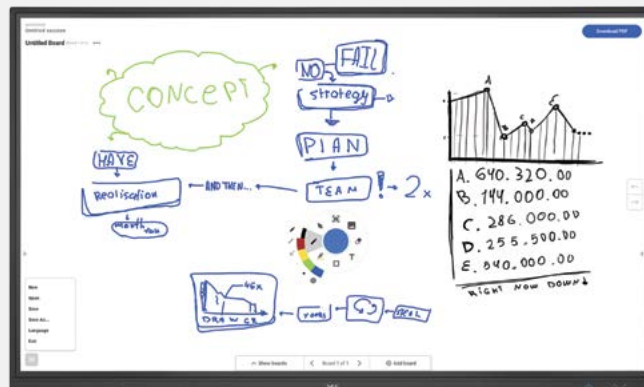**Education**

**Meeting and Conferencing**

## Mosaic Connect



- **Wirelessly present with up to 4 users simultaneously**

- **During a session, attendees can share video, links and files with each other without ever having to leave the app**

- **Share from any device: Windows 10, Mac OS, iOS, Android, or Chrome browser**

- **Every Mosaic Connect meeting is protected by a unique ID, 4-digit PIN and is encrypted end to end**

- **Works securely with any network configuration, including corporate Wi-Fi, guest Wi-Fi, mobile data, a hotspot or any combination**

## Mosaic Canvas



- **Whiteboarding software for scribbling and brainstorming**

- **With Canvas, multiple users can scribble on the display at the same time**

- **Add additional pages whenever needed and switch betweeen those seamlessly**

- **Bring colour to your ideas by importing image files and annotating on top of them**

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

## Passive Pen

- **Handy ergonomics like a pencil**
- **Attaches magnetically to the front of the display**
- **Always ready to use and no need to charge**



# Other Useful Features and Functions

- **Scheduler with real-time clock**
- **Plug and pay (DDC/CI, DDC2B)**
- **Built-in speakers**
- **Metal rear cabinet with wall mounting interface**
- **Ethernet and RS-232C control and communication**
- **CRESTRON ROOMVIEW™**
- **AMX Discovery HTTP server**

- **Optional WiFi dongle available (NP05LM)**
- **Integrated MediaPlayer**
- **NaViSet Administrator 2**
- **Handles**
- **Wall mount included**
- **Optional height adjustable mounting solutions available**



NaViSet
Administrator 2

## Specifications

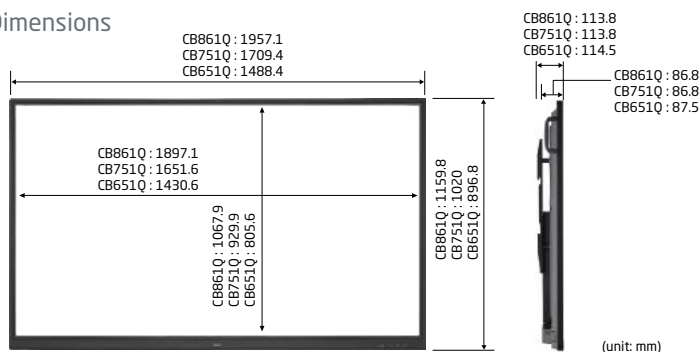| MODEL | | CB861Q | CB751Q | CB651Q |
|---|---|---|---|---|
| **LCD MODULE** | | | | |
| Viewable image size (diagonal) | | 85.6"/ 2,174.3 mm | 74.5"/ 1,892.7 mm | 64.5"/ 1,639.0 mm |
| Active screen area (W × H) | | 1,895.04 × 1,065.96 mm | 1,649.66 × 927.94 mm | 1,428.48 × 803.52 mm |
| Panel technology | | IPS | | |
| Native resolution | | 3,840 × 2,160 | | |
| Brightness (typical with AG glass) | | 350 cd/m² | | |
| Contrast ratio (typical) | | 1,200:1 (Native contrast) | 1,100:1 (Native contrast) | 1,300:1 (Native contrast) |
| Viewing angle [°] | | 178 horizontal / 178 vertical (at CR>10) | | |
| Colour | | Over 1.07 billion | | |
| Response time (typical) | | 8 ms (G to G) | | 9 ms (G to G) |
| Backlight | | Direct LED backlight | | |
| **CONNECTIVITY** | | | | |
| Input terminals | Digital | HDMI × 3 | | |
| | Analogue | VGA mini D-sub 15-pin × 1 | | |
| | Audio | Digital: HDMI × 3, Analogue: 3.5 mm Stereo mini jack × 1 | | |
| Output terminals | Audio | Optical: SPDIF × 1, Analogue: 3.5 mm Stereo mini jack × 1 | | |
| External control | RS-232C | D-Sub 9 pin × 1 | | |
| | Ethernet | RJ-45 10BASE-T / 100BASE-TX × 1 | | |
| USB hub | USB2.0 | USB type A x 6  (Front x 2, Side x 3, Bottom x 1), USB type B x 2 | | |
| Option slots | Expansion slots | Open pluggable specification (NEC / Intel OPS standard) × 1 | | |
| Speaker output | Internal speakers | 12 W + 12 W | | |
| **POWER** | | | | |
| Power requirement | | 6.2 A @ 100-120 V, 2.5 A @ 220-240 V | 4.3 A @ 100-120 V, 1.8 A @ 220-240 V | 4.0 A @ 100-120 V, 1.6 A @ 220-240 V |
| Power consumption (typical) | | 365 W | 210 W | 160 W |
| Power consumption (network standby mode) | | 2 W | | |
| Power consumption (standby mode) | | < 0.5 W | | |
| **PHYSICAL SPECIFICATIONS** | | | | |
| Bezel width | | 17.7 mm (bottom: 45.7 mm) | | |
| Dimensions (with wall mount : W × H × D) | | 1,957.1 × 1,159.8 × 113.8 mm | 1,709.4 × 1,020.0 × 113.8 mm | 1,488.4 × 896.8 × 114.5 mm |
| Dimensions (without wall mount : W × H × D) | | 1,957.1 × 1,159.8 × 86.8 mm | 1,709.4 × 1,020.0 × 86.8 mm | 1,488.4 × 896.8 × 87.5 mm |
| Packaging dimensions (W × H × D) | | 2,211 × 1,370 × 280 mm | 1,860 × 1,170 × 280 mm | 1,656 × 1,050 × 204 mm |
| Net weight (without wall mount) | | 67.3 kg | 52.6 kg | 39.2 kg |
| Net weight (with wall mount) | | 71.2 kg | 56.5kg | 43.1 kg |
| Gross weight (with box) | | 95.5 kg | 64.0 kg | 55.0 kg |
| VESA compatible mounting interface | | 800 × 600 mm (M8, 4 holes) | 800 × 400 mm (M8, 4 holes) | 600 × 400 mm (M8, 4 holes) |
| Supported orientation | | Landscape | | |
| **ENVIRONMENTAL CONDITIONS** | | | | |
| Operating temperature | | 0°C to 40°C | | |
| Operating humidity | | 10% to 90% (without condensation) | | |
| Operating hours | | 12 / 7 | | |
| **PROTECTIVE GLASS** | | | | |
| | Material | Tempered glass | | |
| | Thickness | 4.0 mm | | |
| | Surface treatment | Anti-glare coating | | |
| | Transparency | ≥ 88 % | | |
| | Haze | 3 to 8 % | | |
| | Surface hardness | 7H | | |
| | Impact resistance | Ball drop test : 500 g steel ball, 1.2 m high | | |
| **INTEGRATED TOUCH PANEL** | | | | |
| | Method | Infrared touch | | |
| | Multi-touch | 10 point writing / 20 touch | | |
| | Interface | Integrated products and USB (type B) | | |
| | Operating system | Windows 7/8/8.1/10, Android, Mac OS X, Ubuntu, Chrome | | |
| **ACCESSORIES** | | | | |
| Included | | Setup manual, power cord, clamper, signal cables, IR remote control, stylus pen × 3, RS-232C adapter x 1, wall mount (attached), battery x2 | | |

## Connectivity

Front panel

Side panel

Bottom panel



## Dimensions



CB861Q : 1957.1
CB751Q : 1709.4
CB651Q : 1488.4

CB861Q : 113.8
CB751Q : 113.8
CB651Q : 114.5

CB861Q : 86.8
CB751Q : 86.8
CB651Q : 87.5

CB861Q : 1897.1
CB751Q : 1651.6
CB651Q : 1430.6

CB861Q : 1067.9
CB751Q : 929.9
CB651Q : 805.6

CB861Q : 1159.8
CB751Q : 1020
CB651Q : 896.8

(unit: mm)

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