# A Smart All-in-One Touchscreen to Enliven Your Office or Classroom

Looking for a smart, interactive display for your office or classroom? Meet the all-in-one Sharp PN-C861H, PN-C751H and PN-CE701H AQUOS BOARD interactive display systems that make all your visual communications more lively and productive. Available in three sizes—86" Class (85 9/16" diagonal), 75" Class (74 1/2" diagonal) and 70" Class (69 1/2" diagonal), respectively—this series opens up an affordable path to pristine 4K Ultra HD resolution. A pre-installed launcher makes it quick and easy to start up and use the interactive whiteboard. Your lecture, presentation, or lesson can now be more creative and involving.
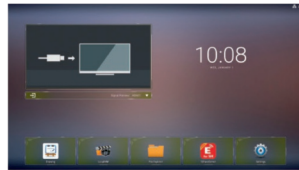
## Stress-Free Operation

### IWB Launcher

Thanks to the built-in controller, it's easy to operate this all-in-one interactive whiteboard. You don't even need to hook up a dedicated PC. As long as the main unit's power is on, you can run the launcher. Then, with a single tap you can access the function you need.
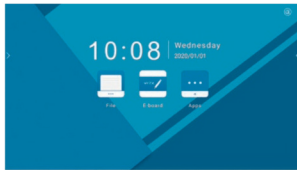


Home screen of PN-C861H and PN-C751H models

Home screen of PN-CE701H model

### Built-in Whiteboard

Switch to the whiteboard function to use the LCD monitor as a temporary writing board—no PC required. Even for first-time users, this simple write-and-erase function is a breeze to operate.

### Display, Write, and Share Information

Even without a PC, you can use overlay mode to write onscreen annotations directly onto photos, videos and documents. This function is especially handy when you need to share meeting notes with participants or others.

Note: The overlay function works differently on the PN-CE701H and the PN-C861H/PN-C751H models.



Annotation on PN-C861H and PN-C751H models

Annotation on PN-CE701H model

### One-Touch Buttons

The PN-C861H, PN-C751H and PN-CE701H interactive displays are designed with your convenience in mind. Buttons for frequently used functions such as power on/off, input switching, volume up/down and freeze are neatly arranged on the front of the frame.
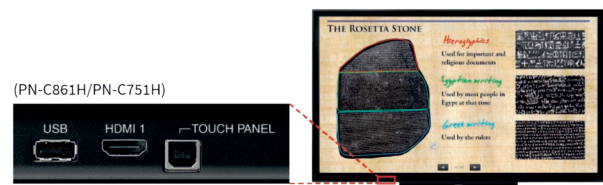


**a** Freeze Button

A press of this button lets you temporarily freeze or unfreeze the screen. While the display continues to show a paused onscreen image, you can stop and explain your point.

**b** Input Button

At the touch of a button, a list of inputs appears on-screen. You can then instantly select the input terminal you want.

### Front Terminals

These make it easy to access teaching materials or other content stored on sources connected via HDMI™ and USB.

(PN-C861H/PN-C751H)



## Flexible and Expandable

### OPS-Compliant Slot

A slot on the PN-C861H, PN-C751H and PN-CE701H interactive displays bring compatibility with OPS (Open Pluggable Specification) controller modules. This means you can set up the monitor to run without having to connect it to a client PC. Without the extra bulk of a client PC, you've got more freedom when it comes to installation set-ups.



Slot on 86-inch model

### Front-mounted Speakers

Two speakers are mounted low on the front of the LCD monitor. These speakers project sound more directly than rear-mounted speakers, giving you clearer sound for your lessons and meetings.

### Simultaneous Writing

The LCD panel recognizes up to 20* touch points. Up to four people at a time—even young students—can use a finger or touch pen to add their input when inspiration strikes. Meetings, lessons and brainstorming sessions will come alive.

* PN-CE701H model has 10 touch points.

### Built-in Controller

The PN-C861H, PN-C751H and PN-CE701H interactive displays feature an integrated controller that comes with 8 GB of internal memory. The PN-CE701H model also supports external storage via SD card. It's easy to play back your photos and videos on one of these monitors. There's no need for a PC to run the main application.

## Get Your Message Across

### Interactive Touchscreen

The PN-C861H, PN-C751H and PN-CE701H interactive displays deliver innovation to the world of business and education. They enhance your visual communications by transforming presentations and lessons. In the classroom, visual and web-based content will help to keep students more focused and engaged.

### Wireless Connectivity

These LCD monitors have built-in wireless functionality. Simply touch the screen and your smartphone, tablet, or computers will immediately download an app that lets it send images wirelessly to the monitor. No need for tangled wires or conversion adapters.



PC

#### Wireless Supported Devices

| Device Type | OS | Supported Version |
|---|---|---|
| PC | Windows®<br>Google Chrome™ OS<br>macOS® | Windows 8.1/10<br>Google Chrome OS version 87 or later<br>macOS v10.15/v11.0 |
| Smart Device<br>(Smartphone, tablet PC) | Android™<br>iOS/iPad®OS | Android 8/9/10<br>iOS 13/14, iPadOS 13/14 |

### User-Friendly SHARP Pen Software

The easy-to-launch SHARP Pen Software interface has a menu with smartly arranged icons. These give you easy access to pen settings and other useful functions. Further handy functions* include access to cloud storage, an e-mail address book, sticky notes and bookmarks.

\* Availability varies by country/region. For details, please consult your local authorized Sharp dealer or representative.

Note: Requires a separate Windows PC.



### Built-in Media Player

These LCD monitors can play 4K Ultra HD photo slideshows and videos without the need for a PC or set-top box.
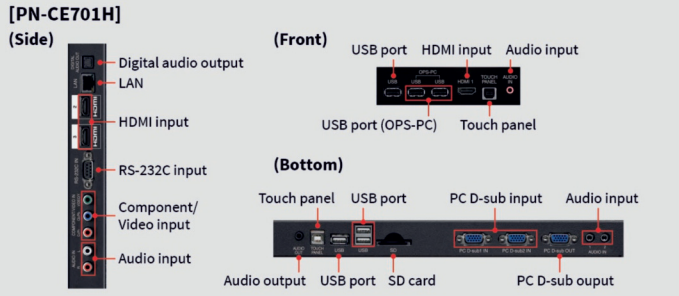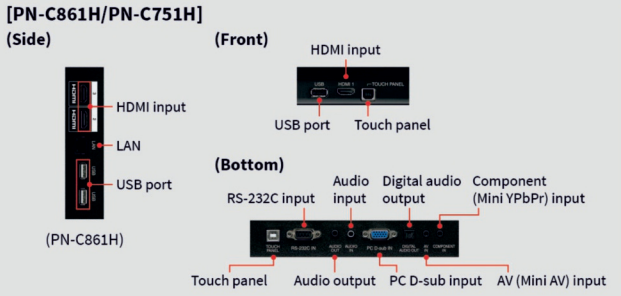
### 16-Hour Daily Operation

The PN-C861H, PN-C751H and PN-CE701H interactive displays can be used continuously for up to 16 hours per day, providing reliable performance in the schoolroom or office.

**<System Requirements>**
**Connected Equipment**

| Hardware | PC/AT compatible machine with USB 2.0 port (CD-ROM drive required for installation) |
|---|---|
| OS | Windows 8.1 (32-bit/64-bit), Windows 10 (32-bit/64-bit)<br>macOS v10.13, macOS v10.14, Google Chrome OS v74 or later |

**Supplied Software (Windows)**

| CPU | Intel® Core™ i5-6360U or higher<br>Intel Core i7-6650U or higher recommended |
|---|---|
| Memory | 4 GB or more |
| Hard disk | 5 GB or more free space (additional space required for saving data) |

To use the touch panel, connect the bundled USB cable to the computer. The touch panel operates with the standard driver of each OS. On the Mac®, operation is only possible in single-touch mode.

## Input/Output Terminals

### [PN-C861H/PN-C751H]



(Side)
- HDMI input
- LAN
- USB port

(PN-C861H)

(Front)
- HDMI input
- USB port
- Touch panel

(Bottom)
- RS-232C input
- Audio input
- Digital audio output
- Component (Mini YPbPr) input
- Touch panel
- Audio output
- PC D-sub input
- AV (Mini AV) input

### [PN-CE701H]



(Side)
- Digital audio output
- LAN
- HDMI input
- RS-232C input
- Component/Video input
- Audio input

(Front)
- USB port
- HDMI input
- Audio input
- USB port (OPS-PC)
- Touch panel

(Bottom)
- Touch panel
- USB port
- PC D-sub input
- Audio input
- Audio output
- USB port
- SD card
- PC D-sub ouput

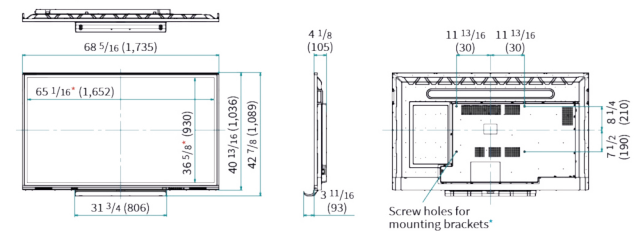| Model Name | | PN-C861H | PN-C751H | PN-CE701H |
|---|---|---|---|---|
| Installation | | Landscape | | |
| LCD Panel | | 86" Class (85 9/16" diagonal) LCD | 75" Class (74 1/2" diagonal) LCD | 70" Class (69 1/2" diagonal) LCD |
| | Max. Resolution | 3,840 × 2,160 pixels | | |
| | Max. Display Colors (approx.) | 1.07 billion colors | | |
| | Pixel Pitch (H × V) | 0.4935 × 0.4935 mm | 0.4296 × 0.4296 mm | 0.40075 × 0.40075 mm |
| | Max. Brightness (average)[*1] | 400 cd/m² | | 350 cd/m² |
| | Contrast Ratio | 1,200 : 1 | | 4,000 : 1 |
| | Viewing Angle (H/V)[*2] | 178°/178° (CR ≥ 10) | | 176°/176° (CR ≥ 10) |
| | Active Screen Area (W × H) (approx.) | 74 5/8" × 41 15/16" | 64 15/16" × 36 9/16" | 60 9/16" × 34 1/16" |
| | Response Time | 8 ms (gray to gray, avg.) | | |
| | Backlight | LED, direct lit | | |
| Touchscreen | Touch Technology | IR (infrared blocking detection method) | | |
| | PC Connection Port | USB (2.0 compliant) (Type B) × 2 (Front × 1, Rear × 1) | | |
| | Power Supply for Touch Panel | Supplied from main unit | | |
| | Multi Touch | 20 points | | 10 points |
| | Protection Glass | Thickness: Approx. 4.0 mm  Shock resistance: 130 cm[*3] | | |
| Touch Pen | Function Button | N/A (passive pen) | | |
| Computer Input | Video | Analog RGB (0.7 Vp-p) [75Ω], HDMI | | |
| | Synchronization | Horizontal/vertical separation (TTL: positive/negative) | | |
| | Plug & Play | VESA DDC2B | | |
| Video Color System | | NTSC (3.58 MHz)/NTSC (4.43 MHz)/PAL/PAL60 /SECAM | | |
| Input Terminals[*4] | Front | HDMI (HDCP2.2 compatible, HDR10 supported) × 1 | | HDMI (HDCP2.2 compatible, HDR10 supported) × 1, 3.5 mm-diameter mini stereo jack × 1 |
| | Rear | PC analog: Mini D-sub 15-pin × 1, HDMI (HDCP2.2 compatible, HDR10 supported) × 2, 3.5 mm-diameter mini stereo jack × 1, AV mini jack × 1, Component mini jack × 1, RS-232C × 1 | | PC analog: Mini D-sub 15-pin × 2, HDMI (HDCP2.2 compatible, HDR10 supported) × 2, 3.5 mm-diameter mini stereo jack × 2, AV RCA × 1[*5], Component RCA × 1[*5], Audio RCA × 1, RS-232C × 1 |
| Output Terminals[*4] | | 3.5 mm-diameter mini stereo jack × 1, SPDIF × 1 | | PC analogue: Mini D-sub 15-pin × 1, 3.5 mm-diameter mini stereo jack × 1, SPDIF × 1 |
| System | CPU | Arm® Cortex®-A53 processor (quad core) | | |
| | Memory | 1 GB | | 1.5 GB |
| | Internal Storage | 8 GB | | |
| | External Interface / Front | USB port (2.0-compliant, main unit & OPS) × 1 | | USB port (2.0-compliant, main unit) × 1, USB port (2.0-compliant, OPS) × 2 |
| | External Interface / Rear | LAN port (10BASE-T/100BASE-TX) × 1, USB port (2.0-compliant, main unit) × 2 | | LAN port (10BASE-T/100BASE-TX) × 1, SD card slot (SD/SDHC) × 1, USB port (2.0-compliant, main unit) × 3 |
| | Wireless LAN | Compliant with IEEE802.11ac/n/a/g/b | | |
| Expansion Slot | | 19 V, 4.74 A (power supplied when expanding the functions with an optional part ) | | |
| Speaker Output | | 10 W + 10 W | | |
| Mounting | | 4 points, 700 × 400 mm pitch, M8 screw | 4 points, 600 × 400 mm pitch, M8 screw | 4 points, 600 × 400 mm pitch, M6 screw |
| Power Supply[*6] | | 100 V – 240 V AC, 50/60 Hz | | |
| Power Consumption[*7] | | 530 W | 460 W | 400 W |
| Environmental Conditions | Operating Temperature[*8] | 5˚C to 35˚C | | |
| | Operating Humidity[*9] | 20% to 80% RH (no condensation) | | |
| Dimensions (W × D × H) (approx.) (display only) | | 78 1/4" × 4 7/16" × 46 1/4" | 68 5/16" × 4 1/8" × 40 13/16" | 64 1/8" × 3 15/16" × 39" |
| Weight (approx.) | | 176.4 lbs | 134.5 lbs | 119 lbs |
| Main Accessories | | AC power cord, remote control unit, remote control unit battery (AAA size) × 2, set-up manual, blank sticker, cable clamp × 3, USB cable, pen tray, SHARP Pen software (CD-ROM), touch pen × 2, wireless adapter | | |

*1 Brightness depends on input mode and other picture settings. Brightness level will decrease slightly over the lifetime of the product. Due to the physical limitations of the equipment, it is not possible to maintain a precisely constant level of brightness.  *2 Excluding the touch sensor part around the LCD panel. *3 Approximate distance at which the glass panel can withstand the impact of a 500-gram iron ball dropped on its center. *4 Use a commercially available connection cable for PC and other video connections. *5 Composite video and component cannot be used simultaneously. *6 The AC power cord is an inlet type. The cable is bundled (3 pins). *7 When an option is installed on the expansion slot. When not installed: PN-C861H: 420 W, PN-C751H: 360 W, PN-CE701H: 295 W *8 Temperature conditions may change when using the monitor together with the optional equipment. In such cases, please check the temperature conditions specified by the optional equipment. *9 Check the requirements of the computer and other devices to be connected, and make sure that all requirements are satisfied.
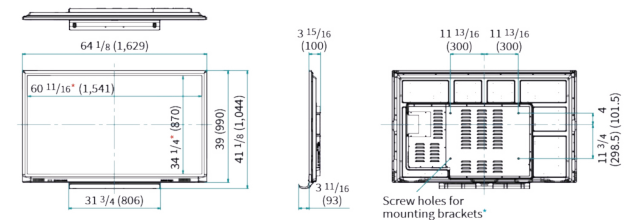
## Dimensions

**(PN-C861H)**



78 1/4 (1,988)  74 11/16" (1,897)  42 7/16" (1,068)  46 1/4 (1,175)  48 3/8 (1,228)  31 3/4 (806)

4 7/16 (113)  3 11/16 (94)

13 3/4 (350)  13 3/4 (350)  8 (202.5)  7 3/4 (197.5)

Screw holes for mounting brackets*

**(PN-C751H)**



68 5/16 (1,735)  65 1/16" (1,652)  36 5/8" (930)  40 13/16 (1,036)  42 7/8 (1,089)  31 3/4 (806)

4 1/8 (105)  3 11/16 (93)

11 13/16 (30)  11 13/16 (30)  8 1/4 (210)  7 1/2 (190)

Screw holes for mounting brackets*

**(PN-CE701H)**



64 1/8 (1,629)  60 11/16" (1,541)  34 1/4" (870)  39 (990)  41 1/8 (1,044)  31 3/4 (806)

3 15/16 (100)  3 11/16 (93)

11 13/16 (300)  11 13/16 (300)  4 (101.5)  11 3/4 (298.5)

Screw holes for mounting brackets*

Units: inch (mm)
* Screen dimensions
* Mounting bracket screws: for the PN-C861H and PN-C751H models, use M8 screws that are 10 to 12 mm long plus the bracket thickness; for the PN-CE701H model, use M6 screws that are 8 to 10 mm long plus the bracket thickness.

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