**Specifications**

**Dimensions**

* To use the VESA-standard mounting bracket, use M6 screws that are 8 to 10 mm plus the thickness of the bracket.

**Screen dimensions**  
When inserted, the wireless adapter protrudes slightly.

**Units:** inch (mm)

**Main Accessories**

- **Weight (approx.)**
- **Dimensions (W x D x H) (approx.) (display only)**

**Conditions**

- **Operating Humidity**: 20% to 80% RH (no condensation)
- **Operating Temperature**: 5˚C to 35˚C

**Power Consumption**

- **Power Supply**: 100V – 240V AC, 50/60 Hz
- **Power Consumption**: 235 W 190 W

**Mounting**

- **External**
- **Speaker Output**
- **Built-in**

**Input/Output Terminals**

- **Input/Output Terminals**
- **Output Terminals**

**Video Color System**

- **NTSC (3.58 MHz, 4.43 MHz), PAL, PAL60, SECAM**

**Power Management**

- **Plug & Play**
- **Synchronization**

**Computer Input**

- **Video**
- **Wireless Adapter Port**
- **LAN Terminal**

**Function Button**

- **Protection Glass**
- **Multi Touch**
- **PC Connection Port**
- **Touchscreen**
- **Touch Technology**

**Backlight**

- **Response Time**

**Active Screen Area (W x H) (approx.)**

**Viewing Angle (H/V)**

- **Contrast Ratio**
- **Max. Brightness (average)**

**Pixel Pitch (H x V)**

**Max. Display Colors (approx.)**

**Max. Resolution**

**LCD Panel**

**Installation**

**Supplied from main unit**

**Protection Glass**

- **Thickness: Approx. 3.4 mm**
- **Shock resistance: 130 cm**

**Multi Touch**

- **10 points**

**PC Connection Port**

- **USB (2.0 compliant) (Type A)**
- **USB (2.0 compliant) (Type B)**

**Wireless communication method**

- **Wireless communication method (2.4 GHz, IEEE802.11 b/g/n) (5 GHz, IEEE802.11 a/n)**

**PC Connection Port**

**Input/Output Terminals**

- **Audio input**
- **Audio output**

**Option terminal**

**content file as image**

- **Purchase Decision Factors for Organic Cosmetics**
- **Package Design (Proposal A)**
- **Plan for New Stores**

**Windows® PC System Requirements**

- **Hard disk**: 200 MB or more free space (additional space required for saving data)
- **Memory**: 2 GB or more
- **OS**: Windows 10 (32-bit/64-bit), Windows 7 (32-bit/64-bit), Windows 8 (32-bit/64-bit), Windows 8.1 (32-bit/64-bit)
- **CPU**: Intel® Celeron® 1.6 GHz, or AMD Sempron™ 1.6 GHz or higher

**Side (Bottom)**

- **PC/AV input (D-sub)**
- **Audio input**
- **Audio output**

**Bottom**

- **PC/AV input (HDMI)**
- **Audio input**

**Option**

- **Touch Pen**
- **PN-ZL02**

**AQUOS BOARD®**

- **Interactive Display Systems**

**AQUOS BOARD**

**PN-L703W PN-L603W**

**AQUOS BOARD®**

**Easy Wireless Functionality**

**for Seamless and Lively Meetings**
You Bring Your Own Device (BYOD) to Unleash Creativity

PN-L703W/603W touchscreen LCD monitors boast wireless connectivity, enabling a range of different devices to connect to them. Information from the 70" Class (69.5" diagonal) and 60" Class (60.5" diagonal) devices can be displayed in a 2 x 2 split screen, allowing for highly productive interactions. Using SHARP Touch Viewer™ software, you can manipulate various file types in the same work area. The pen digitizer function, meanwhile, distinguishes between pen and finger input and supports natural and seamless operation. These and other superb AQUOS BOARD interactive display features are sure to boost creativity and participation levels in presentations and small-scale meetings, while fulfilling the growing demand for cable-free connection of BYO devices.

Flexible Communications with a Variety of Devices

Wireless Connectivity

Now there’s no need to mess with tangled wires or conversion adaptors when you want to share your ideas. The PN-L703W/603W interactive displays have a built-in wireless controller that enables multiple devices—including Mac® or Windows® computers, smartphones, and tablets—to connect wirelessly via dedicated connection software. Mac and Windows users also have a handy option for quick, temporary connection: they can launch the wireless connection software on the bundled token without pre-installing anything. Thanks to wireless connectivity on the PN-L703W/603W interactive displays, meeting participants can enjoy BYOD freedom as well as speedy and active communications.

Overlay Function

In overlay mode, you can write annotations on a transparent screen that overlays the visible onscreen content. Text and graphics written on the AQUOS BOARD interactive display can be captured—along with the contents on the screen—and saved as JPEG files on a connected USB memory device or on a wirelessly connected Mac or Windows computer. The overlay function is a major boon when you want to share meeting notes with participants and others.

Direct Drawing Function

The PN-L703W/603W interactive displays can be quickly switched to enable use of Direct Drawing, a user-friendly function that’s just like using a whiteboard. Even for first-time users, this simple write-and-erase function is easy and intuitive to operate. Screen captures can be saved as JPEG files on a USB memory device.
**Revolutionize Discussions with SHARP Touch Viewer Software**

SHARP Touch Viewer software is a touch-operated onscreen user interface that lets you easily view, manipulate, and write annotations on different types of files, including Microsoft® Office applications, videos, and Web pages. Being able to organize a variety of file types in one work area allows you to have more active discussions.

**View various types of files in one work area**

Various kinds of files—including Microsoft Office files, PDFs, Web pages, and image and video files—can be displayed on the screen as “sheets.” There’s no need to open the respective applications, and you can view all different files simultaneously in the same work area.

* Viewable files: Microsoft Office (Excel®, Word, PowerPoint®), PDF, JPEG/PNG/BMP/TIFF, and WMV/AVI/M4A/FLV.

**Edit original data**

Original Microsoft Office files displayed as “sheets” can be easily opened with compatible applications and edited.

**Store onscreen layouts**

Onscreen layouts of “sheets” can be stored for later retrieval, so you can easily restart a discussion where you left off.

Note: Download SHARP Touch Viewer software from the bundled CD-ROM.

* Drawers can be linked to PC folders or network folders.

**Pen Digitizer Functionality Boosts Communicative Potential**

The PN-L703W/603W interactive displays feature a pen digitizer function that automatically distinguishes pen and finger input, allowing you to perform pen and touch operations without having to switch modes. The bundled touch pen employs a pressure sensor that faithfully renders your writing style. The pen digitizer function is compatible with Microsoft Office® (Excel, Word, PowerPoint and OneNote®), Adobe Photoshop®, Adobe Illustrator® and SHARP Touch Viewer software.

* Not certified by Microsoft.

**Smooth Operation and Comfortable Writing**

**Simultaneous Writing for Up to 4 People**

The PN-L703W/603W interactive displays let you capture ideas at the moment of creation. Recognizing up to 10 touch points, they allow up to four people to write at the same time with a finger or touch pen.

**User-Friendly SHARP Pen Software Interface**

The easy-to-launch SHARP Pen Software user interface incorporates a menu comprising smartly arranged icons that provide easy access to pen settings and functions. Settings such as color and line thickness can be established for each touch pen. The menus for each pen can be displayed in a floating format that allows them to be moved to any convenient location on the screen.

![SHARP Pen Software Interface](image)

**Touch-operated onscreen menu**

Pressing the Touch Menu button on the PN-L703W/603W interactive displays instantly displays an onscreen menu that lets you easily switch input sources, change volume level, or turn the touchscreen function on and off without using a remote controller.

**Handwriting Recognition**

A handwriting recognition* function converts selected onscreen handwriting into standard text. This convenient function allows you to utilize onscreen content to make neat and legible minutes of your meetings.

*Works with languages supported by SHARP Pen Software. Please see the SHARP Pen Software manual for supported languages.

**Minimize glare and fingerprints**

Protecting the screen is an anti-glare film that works to help reduce glare and reflections and minimize fingerprint soiling on the glass.

**Front-mounted speakers**

Two speakers (10 W + 10 W) are mounted low on the front of the LCD monitor to deliver clearer sound.

**SHARP Display Connect**

This software is especially effective for communications with large audiences. By allowing the AQUOS BOARD interactive display to share its onscreen content with up to 50 devices*, and by enabling the exchange of files between those devices, SHARP Display Connect facilitates lively discussions and paperless meetings in both business and educational settings.

## Specifications

<table>
<thead>
<tr>
<th>Model Name</th>
<th>PN-L703W</th>
<th>PN-L603W</th>
</tr>
</thead>
<tbody>
<tr>
<td>Installation</td>
<td>Landscape</td>
<td>Landscape</td>
</tr>
<tr>
<td>LCD Panel</td>
<td>70” Class (69.5” diagonal) UVA+ LCD</td>
<td>60” Class (60.1” diagonal) UVA+ LCD</td>
</tr>
<tr>
<td>Max. Resolution</td>
<td>1,920 x 1,080 pixels</td>
<td>1,920 x 1,080 pixels</td>
</tr>
<tr>
<td>Max. Display Colors (approx.)</td>
<td>1.06 billion colors</td>
<td>1.06 billion colors</td>
</tr>
<tr>
<td>Pixel Pitch (H x V)</td>
<td>0.802 x 0.802 mm</td>
<td>0.692 x 0.692 mm</td>
</tr>
<tr>
<td>Max. Brightness (average)</td>
<td>300 cd/m²</td>
<td>300 cd/m²</td>
</tr>
<tr>
<td>Contrast Ratio</td>
<td>3,000:1</td>
<td>3,000:1</td>
</tr>
<tr>
<td>Viewing Angle (H/V)</td>
<td>160°/160° (CR @ 10)</td>
<td>160°/160° (CR @ 10)</td>
</tr>
<tr>
<td>Active Screen Area (W x H) (approx.)</td>
<td>60” W x 34 ¾” H</td>
<td>52 ¾” W x 29 ¾” H</td>
</tr>
<tr>
<td>Response Time</td>
<td>6 ms (gray to gray, avg.)</td>
<td>6 ms (gray to gray, avg.)</td>
</tr>
<tr>
<td>Touchscreen</td>
<td>TD infrared (blocking detection method)</td>
<td>TD infrared (blocking detection method)</td>
</tr>
<tr>
<td>PC Connection Port</td>
<td>USB (2.0 compliant) (Type B) x 2</td>
<td>USB (2.0 compliant) (Type B) x 2</td>
</tr>
<tr>
<td>Power Supply</td>
<td>Supplied from main unit</td>
<td>Supplied from main unit</td>
</tr>
<tr>
<td>Multi Touch</td>
<td>10 points</td>
<td>10 points</td>
</tr>
<tr>
<td>Protection Glass</td>
<td>Thickness: Approx. 3.4 mm<em>1 Shock resistance: 130 cm</em>1</td>
<td>Thickness: Approx. 3.0 mm<em>1 Shock resistance: 130 cm</em>1</td>
</tr>
<tr>
<td>Touch Pen</td>
<td>Communication</td>
<td>Wireless communication method</td>
</tr>
<tr>
<td>Function Button</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wireless Controller</td>
<td></td>
<td>Wireless communication method (2.4 GHz, IEEE802.11 b/g/n (5 GHz, IEEE802.11 a/n)</td>
</tr>
<tr>
<td>LAN Terminal</td>
<td>10Base-T/100Base-TX</td>
<td>10Base-T/100Base-TX</td>
</tr>
<tr>
<td>USB Port</td>
<td>USB (2.0 compliant) (Type A) x 1</td>
<td>USB (2.0 compliant) (Type A) x 1</td>
</tr>
<tr>
<td>Wireless Adapter Port</td>
<td>USB (2.0 compliant) (Type A) x 1</td>
<td>USB (2.0 compliant) (Type A) x 1</td>
</tr>
<tr>
<td>Computer Input</td>
<td>Video</td>
<td>Analog RGB (0.7 Vp-p) [75Ω, DisplayPort™ 1.1a</td>
</tr>
<tr>
<td></td>
<td>Synchronization</td>
<td>Horizontal/vertical separation (TTL: positive/negative), Sync on green*, Composite sync (TTL: positive/negative)*</td>
</tr>
<tr>
<td></td>
<td>Play &amp; Plug</td>
<td>VESA DDC2B</td>
</tr>
<tr>
<td>Power Management</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Video Color System</td>
<td>NTSC (0.6 MHz, 4.43 MHz, PAL, PAL60, SECAM</td>
<td></td>
</tr>
<tr>
<td>Input Terminals**</td>
<td>PC analogue: Mini D-sub 15-pin x 2*, HDMI® (HDCP and 1080p compatible, PC/AV signal compatible) x 3, 3.5 mm-diameter mini stereo jack x 2, Video x 1*, Component video x 1*, DisplayPort® (HDCP compatible, PC signal compatible) x 1, RS-232C x 1*</td>
<td></td>
</tr>
<tr>
<td>Output Terminals**</td>
<td>3.5 mm-diameter mini stereo jack x 1, DisplayPort (HDCP compatible) x 1</td>
<td></td>
</tr>
<tr>
<td>Input/Output Terminals**</td>
<td>LAN port (10Base-T/100Base-TX) x 1</td>
<td></td>
</tr>
<tr>
<td>Speaker Output</td>
<td>Built-in: 10 W + 10 W</td>
<td>10 W + 10 W</td>
</tr>
<tr>
<td></td>
<td>External: 10 W + 10 W (6Ω)</td>
<td>10 W + 10 W (6Ω)</td>
</tr>
<tr>
<td>Mounting</td>
<td>VESA (4 points), 400 x 200 mm pitch, M6 screw</td>
<td></td>
</tr>
<tr>
<td>Power Supply</td>
<td>100V – 240V AC, 50/60 Hz</td>
<td></td>
</tr>
<tr>
<td>Power Consumption</td>
<td>235 W</td>
<td>190 W</td>
</tr>
<tr>
<td>Environmental Conditions</td>
<td>Operating Temperature: 5˚C to 35˚C</td>
<td>5˚C to 35˚C</td>
</tr>
<tr>
<td></td>
<td>Operating Humidity: 20% to 80% RH (no condensation)</td>
<td>20% to 80% RH (no condensation)</td>
</tr>
<tr>
<td>Dimensions (W x D x H) (approx.):</td>
<td>64 ⅝” W x 3 ⅜” D x 39 ¾” H</td>
<td>56 ⅞” W x 3 ⅜” D x 35 ¾” H</td>
</tr>
<tr>
<td>Weight (approx.)</td>
<td>134.5 lbs</td>
<td>105.9 lbs</td>
</tr>
<tr>
<td>Main Accessories</td>
<td>AC power cord, remote control unit, battery (AA size x 2), set-up manual, blank sticker, cable clamps x 5, camera mount, USB cable (3.0 m), eraser, pen tray, touch pen (with function button), pen adapter, touch pen battery (AAA size), SHARP Display Connect software CD-ROM, wireless token, wireless adapter, wireless adapter cover, RS-232C conversion cable (0.5 mm-diameter mini stereo jack) x 1</td>
<td></td>
</tr>
</tbody>
</table>

* UV2A stands for Ultraviolet-induced Multi-domain Vertical Alignment, a photo-alignment technology that ensures uniform alignment of liquid crystal molecules. ** 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. *” Including AG film on the front and AR film on the back. " Approximate distance at which the glass panel can withstand the impact of a 50 g mass just barely dropped on its center. 1 D-sub input terminal only. "* Likely a commercially available connection cable for PC and other video connections. "* Analog PC, video, and component video are switchable (on bottom interface); use the menu to select. Video and component video connections require conversion-cable via mini D-sub 15-pin jack. *" Requires the bundled RS-232C conversion cable. For command control only.

### Dimensions

#### PN-L703W

- **Dimensions:** (W x D x H; approx.)
  - 3 12/16” (94.3)
  - 1 15/16” (49.3)
  - 41 13/16” (1,062)

- **Viewing Area:** 64 ⅝” W x 3 ⅜” D x 39 ¾” H

#### PN-L603W

- **Dimensions:** (W x D x H; approx.)
  - 3 7/8” (93.3)
  - 1 15/16” (49.3)
  - 39 3/4” (1,010)

- **Viewing Area:** 62 3/16” W x 3 11/16” D x 39 3/4” H

#### PN-L503W

- **Dimensions:** (W x D x H; approx.)
  - 3 3/8” (85.5)
  - 3 1/16” (73.5)
  - 31 11/16” (805.3)

- **Viewing Area:** 53 15/16” W x 3 11/16” D x 39 3/4” H

### Input/Output Terminals

#### (Top)

- **USB (for pen adapter)
- **USB**
- **LAN port
- **PC/AV input (HDMI)
- **Audio input
- **Audio input
- **For USB flash drive

#### (Bottom)

- **USB (for pen adapter)
- **LAN port
- **PC/AV input (HDMI)
- **Audio output
- **DisplayPort output
- **PC analogue input (D-sub)
- **Audio input

### Windows® PC System Requirements

- **PC:** PC, P4U compatible machine with USB 2.0 port and screen resolution of 1,920 x 1,080 (CD-ROM drive required for installation)
- **CPU:** Intel® Core® 2 Duo 1.6 GHz, or AMD Sempron™ 64 2.0 GHz or higher (Intel Core™ 2 Duo 2.6 GHz or AMD Athlon™ 64 X2 2.8 GHz or higher recommended)
- **OS:** Windows 7 (32-bit/64-bit), Windows 8 (32-bit/64-bit), Windows 8.1 (32-bit/64-bit), Windows 10 (32-bit/64-bit)
- **Memory:** 2 GB or more

**Hard disk:** 200 MB or more free space (additional space required for saving data)

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