Specifications

Dimensions

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

Units: inch (mm)

- *8 Requires the bundled RS-232C conversion cable. For command control only.

Main Accessories

- Weight (approx.): 31 11/16 (805)
- Dimensions (W x D x H) (approx.) (display only):
  - 62 3/16 (1,580)*
  - 64 13/16 (1,647)

Conditions

- Operating Humidity: 41 13/16 (1,062)
- Environmental: 37 1/16 (942)
- Operating Temperature: 35 1/16 (890)

- Power Consumption: 10 W + 10 W (6/13A)

Power Supply

- External:
  - Speaker Output:
    - Built-in
  - Input/Output Terminals*6:
    - Output Terminals*6
    - Input Terminals*6

Video Color System

- Analog PC, video, and component video are switchable (on
- Horizontal/vertical separation (TTL: positive/negative), Sync on green*5, Composite sync (TTL: positive/negative)*5

Power Management

- VESA DPMS
- VESA DDC2B

Synchronization

- PC analogue: Mini D-sub 15-pin x 2*7, HDMITM (HDCP and 1080p compatible, PC/AV signal compatible) x 3, 3.5 mm-diameter mini stereo jack x 2, Video x
- NTSC (3.58 MHz, 4.43 MHz), PAL, PAL60, SECAM

Plug & Play

- Yes

- Synchronization:
  - Horizontal: 10 points

Touchscreen

- Touch Technology:
  - Touch Pen Communication
  - Protection Glass:
    - Multi Touch

- Response Time: 6 ms (grey to grey, avg.)

- Viewing Angle (H/V): 160°/160°
- Contrast Ratio: 3,000 : 1
- Max. Brightness (average)*2: 300 cd/m²
- Pixel Pitch (H x V): 1.06 billion colors
- Max. Resolution: 1,920 x 1,080 pixels
- LCD Panel:
  - 70" Class (69.5" diagonal) UV2A*1 LCD
  - 60" Class (60.1" diagonal) UV2A*1 LCD

Installation

- Landscape:
  - 60 9/16" x 34 1/16" 52 5/16" x 29 7/16"

Protection Glass

- 10 points

Power Supply

- PC Connection Port:
  - USB (for pen adapter)
  - USB (for PC)
  - USB (for wireless adapter)
  - LAN port (10Base-T/100Base-TX) x 1
  - Audio input:
    - Speaker output: External
    - Input (D-sub)
    - Audio input: USB (for PC)
    - Audio input: DisplayPort
    - Audio input: PC analogue
    - Audio input: HDMI
  - Video input:
    - Speaker output: External
    - Input (D-sub)
    - Audio input: USB (for PC)
    - Audio input: DisplayPort
    - Audio input: PC analogue
    - Audio input: HDMI

Windows® PC System Requirements

- Hard disk: 200 MB or more free space (additional space required for saving data)
- Memory:
  - Intel® Celeron® 1.6 GHz, or AMD Sempron™ 1.6 GHz or higher (CD-ROM drive required for installation)
  - Intel Core™ 2 Duo 2.8 GHz, or AMD Athlon™ II x 2 2.8 GHz or higher recommended
- CPU: 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)

AQUOS BOARD® Interactive Display Systems
The AQUOS BOARD® Interactive Display That Lets 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.

Enhanced Security

Because data is not stored during wireless connection, there's no need to worry about any leakage of confidential information from a discussion or presentation.

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.

2 x 2 Split-Screen Display

The PN-L703W/603W interactive displays can connect wirelessly with multiple mobile devices and simultaneously display the onscreen contents of those devices in a 2 x 2 split screen. Alternatively, any one of the individual screens can be enlarged to full-screen size. The screen can be switched either from the AQUOS BOARD interactive display or from a connected device.

**Enhanced Security**

Because data is not stored during wireless connection, there's no need to worry about any leakage of confidential information from a discussion or presentation.

**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**

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**Wireless Connection System Requirements**

<table>
<thead>
<tr>
<th>Operating System</th>
<th>CPU</th>
<th>Minimum RAM</th>
<th>Disk Space</th>
</tr>
</thead>
<tbody>
<tr>
<td>Windows® 7/8/10</td>
<td>Intel® Core™ 2 Duo 2.8 GHz or higher (Intel® Core™ i5 or higher recommended)</td>
<td>2 GB or more (4 GB or more recommended)</td>
<td>200 MB capacity or more</td>
</tr>
<tr>
<td>Mac OS X v10.9</td>
<td>Intel® Core™ 2 Duo 2.8 GHz or higher (Intel® Core™ i5 or higher recommended)</td>
<td>2 GB or more (4 GB or more recommended)</td>
<td>200 MB capacity or more</td>
</tr>
<tr>
<td>Windows® 7/8/10</td>
<td>Intel® Core™ 2 Duo 2.8 GHz or higher (Intel® Core™ i5 or higher recommended)</td>
<td>2 GB or more (4 GB or more recommended)</td>
<td>200 MB capacity or more</td>
</tr>
<tr>
<td>Mac OS X v10.9</td>
<td>Intel® Core™ 2 Duo 2.8 GHz or higher (Intel® Core™ i5 or higher recommended)</td>
<td>2 GB or more (4 GB or more recommended)</td>
<td>200 MB capacity or more</td>
</tr>
</tbody>
</table>

**Flexible, Natural Work Environment**

- Minimize glare and fingerprints
- Protecting the screen is an anti-glare film that works to help reduce glare and fingerprints
- Touch-operated onscreen menu

**User-Friendly SHARP Pen Software Interface**

- Touch “Direct Drawing” on the onscreen menu
- Drawers can be linked to PC folders or network folders
- Onscreen layouts of “sheets” can be stored for later retrieval, so you can easily switch input sources, change volume level, or turn the touchscreen input on and off without using a remote controller
- Pressing the Touch Menu button on the PN-L703W/603W interactive display will display a menu comprising smartly arranged icons that provide easy access to functions such as screenshot capture, file management, and software installation

**2 x 2 Split-Screen Display**

The PN-L703W/603W interactive displays can connect wirelessly with multiple mobile devices and simultaneously display the onscreen contents of those devices in a 2 x 2 split screen. Alternatively, any one of the individual screens can be enlarged to full-screen size. The screen can be switched either from the AQUOS BOARD interactive display or from a connected device.

**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.

**Enhanced Security**

Because data is not stored during wireless connection, there's no need to worry about any leakage of confidential information from a discussion or presentation.

**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 the different files simultaneously in the same work area.

* Viewable files: Microsoft Office (Excel®, Word, PowerPoint®, PDF, JPEG/PNG/BMP/TIFF, and WMV/AVI/M4P/FLV.

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.

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.

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.

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 Touch Display Link 2.0

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 Touch Display Link 2.0 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><strong>Installation</strong></td>
<td>Landscape</td>
<td>Landscape</td>
</tr>
<tr>
<td><strong>LCD Panel</strong></td>
<td>70&quot; Class (69.5&quot; diagonal) UVA™ LCD</td>
<td>60&quot; Class (60.1&quot; diagonal) UVA™ LCD</td>
</tr>
<tr>
<td><strong>Max. Resolution</strong></td>
<td>1,920 x 1,080 pixels</td>
<td>1,920 x 1,080 pixels</td>
</tr>
<tr>
<td><strong>Max. Display Colors (approx.)</strong></td>
<td>1.06 billion colors</td>
<td>1.06 billion colors</td>
</tr>
<tr>
<td><strong>Peak Pitch (H x V) (approx.)</strong></td>
<td>0.802 x 0.802 mm</td>
<td>0.699 x 0.699 mm</td>
</tr>
<tr>
<td><strong>Max. Brightness (average)</strong></td>
<td>300 cd/m²</td>
<td>300 cd/m²</td>
</tr>
<tr>
<td><strong>Contrast Ratio</strong></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><strong>Active Screen Area (W x H) (approx.)</strong></td>
<td>60 11/16&quot; x 34 1/16&quot;</td>
<td>52 7/16&quot; x 29 11/16&quot;</td>
</tr>
<tr>
<td><strong>Response Time</strong></td>
<td>6 ms (gray to gray, avg.)</td>
<td>6 ms (gray to gray, avg.)</td>
</tr>
<tr>
<td><strong>Touchscreen Technology</strong></td>
<td>IR (infrared blocking detection method)</td>
<td>IR (infrared blocking detection method)</td>
</tr>
<tr>
<td><strong>PC Connection Port</strong></td>
<td>USB (2.0 compliant) (Type B) x 2</td>
<td>USB (2.0 compliant) (Type B) x 2</td>
</tr>
<tr>
<td><strong>Power Supply</strong></td>
<td>Supplied from main unit</td>
<td>Supplied from main unit</td>
</tr>
<tr>
<td><strong>Multi Touch</strong></td>
<td>10 points</td>
<td>10 points</td>
</tr>
<tr>
<td><strong>Protection Glass</strong></td>
<td>Thickness: Approx. 3.4 mm*</td>
<td>Thickness: Approx. 3.0 mm*</td>
</tr>
<tr>
<td><strong>Speaker Output</strong></td>
<td>Built-in 10 W</td>
<td>Built-in 10 W</td>
</tr>
<tr>
<td><strong>Environmental Conditions</strong></td>
<td>Operating Temperature 5°C to 35°C</td>
<td>Operating Temperature 5°C to 35°C</td>
</tr>
<tr>
<td><strong>Power Supply</strong></td>
<td>100V – 240V AC, 50/60 Hz</td>
<td>100V – 240V AC, 50/60 Hz</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>35 1/16 lbs</td>
<td>31 11/16 lbs</td>
</tr>
<tr>
<td><strong>Main Accessories</strong></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, touch pen (with function button), pen adapter, touch pen battery (AAA size), Sharp Touch Display Link 2.0 software CD-ROM, wireless token, wireless adapter, wireless adapter cover, RS-232C conversion cable (2.5 mm-diameter-mini stereo jack) x 1</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, touch pen (with function button), pen adapter, touch pen battery (AAA size), Sharp Touch Display Link 2.0 software CD-ROM, wireless token, wireless adapter, wireless adapter cover, RS-232C conversion cable (2.5 mm-diameter-mini stereo jack) x 1</td>
</tr>
</tbody>
</table>

### Dimensions

<table>
<thead>
<tr>
<th>Model</th>
<th>PN-L703W</th>
<th>PN-L603W</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Dimensions (W x D x H) (approx.) (display only)</strong></td>
<td>64 7/16&quot; x 3 11/16&quot; x 39 3/4&quot;</td>
<td>56 9/16&quot; x 3 11/16&quot; x 35 1/16&quot;</td>
</tr>
<tr>
<td><strong>Thickness</strong></td>
<td>3.4 mm*</td>
<td>3.0 mm*</td>
</tr>
<tr>
<td><strong>Shock resistance</strong></td>
<td>130 cm*</td>
<td>130 cm*</td>
</tr>
</tbody>
</table>

**Note:** UVA stands for Unwanted Induced Multidomain 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. 4 Approximate distance at which the glass panel can withstand the impact of a 500-gram iron ball dropped on its center. 5 D-sub input terminal only. 6 Requires the bundled RS-232C conversion cable. For command control only. 7 Analog PC, video, and component video are switchable (on PC analogue: Mini D-sub 15-pin x 2*7, HDMITM (HDCP and 1080p compatible, PC/AV signal compatible) x 3, 3.5 mm-diameter mini stereo jack x 2, Video x 1*7, Component video x 1*7, DisplayPort (HDCP compatible, PC signal compatible) x 1, RS-232C x 1*7 |

### Input/Output Terminals

| **Input Terminals** | Analog RGB (0.7 Vp-p) [75Ω], DisplayPort™ 1.1a |
| **Output Terminals** | Analog RGB (0.7 Vp-p) [75Ω], DisplayPort™ 1.1a |
| **LAN port** | RS-232C x 1*8 |
| **USB Port** | USB (2.0 compliant) (Type A) x 1 |
| **USB (for pen adapter)** | USB (2.0 compliant) (Type A) x 1 |
| **Audio input** | 3.5 mm-diameter mini stereo jack x 1, DisplayPort (HDCP compatible) x 1 |
| **Audio output** | 3.5 mm-diameter mini stereo jack x 1, DisplayPort (HDCP compatible) x 1 |
| **PC/AV input** | LAN port (10Base-T/100Base-TX) x 1, DisplayPort (HDCP compatible) x 1 |
| **PC/AV input (HDMI)** | LAN port (10Base-T/100Base-TX) x 1, DisplayPort (HDCP compatible) x 1 |
| **USB (for wireless adapter)** | USB (2.0 compliant) (Type A) x 1 |
| **LAN port** | LAN port (10Base-T/100Base-TX) x 1, DisplayPort (HDCP compatible) x 1 |
| **USB (for PC)** | USB (2.0 compliant) (Type A) x 1 |
| **LAN port** | LAN port (10Base-T/100Base-TX) x 1, DisplayPort (HDCP compatible) x 1 |

### Windows® PC System Requirements

- **CPU:** Intel® Celeron® 1.6 GHz, or AMD Sempron™ 1.6 GHz or higher (Intel Core™ 2 Duo 2.8 GHz, or AMD Athlon™ II x 2 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 free space (additional space required for saving data)

### Touch Pen

- **Model:** PN-ZL02: Sharp Touch Pen

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