Smooth, Intuitive, and Made for Sharing—
Sharp AQUOS BOARDS Gives Your Communications a Boost
Sharp’s AQUOS BOARD™ PN-L703A/703B/603A/603B are designed for smooth and effortless communication in a wide range of contexts. Their highly responsive touch pens allow several people to write on the same screen at the same time. And Sharp’s Touch Display Link software enables multifaceted wireless communication. Whether in the boardroom or the classroom, Sharp changes the way you communicate.

**Simple, Intuitive Operation Lets You Focus on Interacting**

**Simultaneous Writing**
Recognizing up to 10 points of contact, the PN-L703A/703B and PN-L603A/603B multi-touch LCD monitors allow up to four people to write on the screen at the same time using touch pens or fingers. Participants can take an active part in meetings, brainstorming sessions, classroom interactions, and more. Discussions and presentations become platforms for effective and lively exchanges of opinions.

**User-Friendly Pen Software Interface**
Using a touch pen, you can easily launch and display the Pen Software user interface—a menu comprising of smartly arranged icons that provide easy access to pen settings and functions. Each touch pen has its own dedicated menu, which can be displayed even when up to four people are writing on the screen at the same time. Pen settings such as colour and line thickness can be set for each touch pen (with function buttons).

**Smooth, Highly Responsive Touch Pen**
The dedicated touch pen with function buttons*1 is so smooth and light that using it is like writing on paper. A pressure sensor at the tip of this slim and lightweight pen lets you write with high precision and with an effortless and uninterrupted flow.

**Handwriting Recognition**
These LCD monitors feature a handwriting recognition*3 function for converting selected onscreen handwriting into standard text. This convenient function allows you to utilize onscreen content to make neat and legible minutes of your meetings.

**Work Smarter with Touch Display Link**
Touch Display Link 2.0*1 software supports effective and multifaceted communication. Onscreen content—including handwritten notes and drawings made in real time—can be viewed simultaneously on the AQUOS BOARD and mobile devices*2 such as PCs, tablets, and smartphones. Touch Display Link facilitates interactive presentations, lively discussions, and paperless meetings in both business and educational settings.

*1 Number of connectable mobile devices depends on the following conditions.
  • LCD monitors
    PN-L703A/603A used with pre-installed software: Max. 20
    PN-L703A/603A/703B/603B used with bundled software CD-ROM: Max. 50
  • OS — Windows® 7: Max. 20; Windows® 8/8.1: Max. 50

*2 OS requirements:
  PCs: Windows® 7, Windows® 8/8.1; Tablets: Windows® 7, Windows® 8/8.1, Android, iOS; Smartphones: Android, iOS

*3 Connecting 20 or more mobile devices requires at least two LAN access points.
**Designed with True User-Friendliness in Mind**

### Quick Startup (PN-L703A/603A)

The whiteboard function on the PN-L703A/603A can start up quickly at a press of the power button, so that meetings get underway without delay.

*Note: When booting the LCD monitor from power off status (power turned off using the power button on the monitor or remote control)*

### Touch-Operated Onscreen Display

Pressing the Touch Menu button 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.

![Touch Menu button](image)

### Minimize Glare and Fingerprints

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

### MFP Connectivity

Documents and images scanned from a colour-scan-capable Sharp MFP can be imported directly to the pen software for display on the AQUOS BOARD. For added convenience, image data shown onscreen—including notations—can be saved to a PC or sent directly to an MFP for printout.

### Front-Mounted Speakers

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

### A Wealth of Input/Output Terminals

The PN-L703A/703B and PN-L603A/603B come standard-equipped with a wealth of input/output terminals—on the side and the bottom of the monitor—to enable easy connection with a wide variety of equipment. This array of terminals includes: three HDMI ports, two D-sub ports, two DisplayPort™ terminals (one input, one output), and two touchscreen-supporting USB ports. One of the USB ports can be assigned to a regularly connected PC, such as a host PC used to operate the LCD monitor. The other USB port facilitates temporary connection to another PC, such as one used by a meeting participant. This allows easy PC connection without the need to switch the USB cable.

![Input/Output Terminals](image)

### Feature Comparison

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*▲ Feature available under conditions indicated in parentheses.
*1 Supports 11 languages: (English, German, Spanish, French, Italian, Dutch, Portuguese, Russian, simplified Chinese, traditional Chinese, Japanese).
*2 Please check with your local authorized Sharp dealer/representative on availability.
*3 For details, see the section on Touch Display Link.

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- Touch Display Link enables the following interactive functions on AQUOS BOARD and mobile devices connected via wireless LAN:
  - sharing of onscreen content
  - transfer of files
  - interactive onscreen writing and drawing
  - remote control of the AQUOS BOARD from mobile devices
- Up to 50 mobile devices**3** can be connected simultaneously.
- Files can be exchanged between mobile devices even if they are not connected to the AQUOS BOARD.
- Users can capture onscreen images and save them on their mobile devices to make personally annotated memos (personal memo).
- Touch Display Link also connects two AQUOS BOARD on the same network (intranet, VPN, etc.) to enable larger-scale interactive communications.
## Specifications

### Model Name
- **PN-L703A**
- **PN-L703B**
- **PN-L603A**
- **PN-L603B**

#### Installation
- Landscape

#### LCD Panel
- 70-inch class (69 1/2-inch [176.6 cm] diagonal) UV2A LCD
- 60-inch class (60 1/16-inch [152.5 cm] diagonal) UV2A LCD

#### Resolutions
- Max. Resolution: 1,366 x 768 pixels
- Max. Display Colour (appx.): 1.08 billion colours
- Pixel Pitch (H x V): 0.602 x 0.602 mm
- Max. Brightness (average): 300 cd/m²
- Contrast Ratio: 3,000 : 1
- Viewing Angle (H/V): 160°/160° (CR ≥ 10)
- Active Screen Area (W x H) (appx.): 1,329.1 x 747.6 mm ([52 7/16” x 29 1/4”])
- Response Time: 6 ms (grey to grey, avg.)
- Backlight: LED, edge lit

#### Touchscreen
- Touch Technology: IR (infrared blocking detection method)
- PC Connection Port: USB 2.0 type B x 2
- Power Supply: Supplied from main unit
- Multi-Touch: 10 points

#### Protection Glass
- Thickness: Approx. 3.4 mm
- Shock resistance: 130 cm

#### Touch-Pen
- Communication: Wireless communication method
- Function Button: Yes

#### Whiteboard Function
- Built-in

#### Computer Input
- Video
  - Analogue RGB (0.7 Vp-p) [75Ω], DisplayPort 1.1a
  - Horizontal/vertical separation (TTL: positive/negative), Sync on green (D-sub 15-pin only), Composite sync (TTL: positive/negative)
  - Analogue RGB (0.7 Vp-p) [75Ω], DisplayPort 1.1a
  - Horizontal/vertical separation (TTL: positive/negative), Sync on green (D-sub 15-pin only), Composite sync (TTL: positive/negative)
- Plug & Play
  - VESA 1.0
- Power Management
  - VESA DPMS

#### Video Colour System
- NTSC (3.58 MHz, 4.43 MHz), PAL, PAL60, SECAM

#### Input Terminals
- PC analogue: MV-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 1, Video x 1*, Component video x 1*, DisplayPort (HDCP compatible) x 1

#### Output Terminals
- LAN port (10Base-T/100Base-TX) x 1
- Speaker Output
  - Built-in: 10 W + 10 W (6Ω)
  - External: 10 W + 10 W (6Ω)
- Mounting
  - VESA DPMS

#### Power Consumption
- 10 W + 10 W (6Ω)

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

#### Dimensions
- (W x D x H) (appx.): 1,467 x 94 x 1,010 mm (57 5/6” x 3 11/16” x 39 3/4”)
- (W x D x H) (appx.): 1,467 x 94 x 1,010 mm (57 5/6” x 3 11/6” x 39 3/4”)
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- (W x D x H) (appx.): 1,467 x 94 x 1,010 mm (57 5/6” x 3 11/6” x 39 3/4”)

### Dimensions

#### PN-L703A/703B
- 31 11/16” (805) x 3 1/4” (82) x 3 1/2” (89)

#### PN-L603A/603B
- 27 11/16” (715) x 3 1/4” (82) x 3 1/4” (82)

### Windows® PC System Requirements

#### Required
- PC
  - PC/AT compatible machine with USB 2.0 port and screen resolution of 1,920 x 1,080 (CD-ROM drive required for installation)

#### Software
- OS
  - Windows® 7 (32-bit/64-bit), Windows® 8 (32-bit/64-bit), Windows® 8.1 (32-bit/64-bit)
- Memory
  - 2GB or more
- Hard disk
  - 200MB or more free space (additional space required for saving data)

### Options

#### PN-ZL01: Touch Pen and Touch Pen Adaptor
- **PN-ZL01**
- **PN-ZL02: Touch Pen**

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