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)

Figures refer to the brightness of the LCD panel component. The brightness of the product itself may be less than this.

To use the touch panel, connect the bundled installation operation label, desktop stand (PN-L401C only), SHARP Display Connect license x 1.

Specifications

Environmental
- Operating Temperature
- Power Consumption
- Power Supply

Mounting
- VESA (4 points), 200 x 200 mm, M6 screw
- VESA (4 points), 400 x 200 mm, M6 screw

Speaker Output
- 10 W + 10 W

USB Hub Function
- LAN port (10Base-T/100Base-TX) x 1
- 3.5 mm-diameter mini stereo jack x 1, RS-232C x 1
- Horizontal/vertical separation (TTL: positive/negative)
- VESA holes*

Output Terminals
- Analog RGB (0.7 Vp-p) [75/uni03A9], HDMI, DisplayPort
- PC/AV input (HDMI)
- Touch panel
- Audio input (for wireless adapter)
- USB x 1 (USB 2.0)
- Audio output
- Gigabit LAN

Input Terminals
- LAN x 1 (10Base-T/100Base-TX), Input/output terminals HDBaseT x 1, Transmission distance Up to 328 feet / 100 m
- HDBaseT 2.0
- Maximum resolution 4,096 x 2,160 (30 Hz)
- Supported standard HDBaseT 2.0
- PN-ZB03H HDBaseT Receiver Board

Power Management
- VESA DPMS
- 89W
- 100V – 240V AC, 50/60 Hz*5

Protection Glass
- Thickness: approx. 2.5mm*
- Supplied from main unit
- Approximate distance at which the glass panel can withstand the impact of a 500-gram iron ball dropped on its centre.

USB Cable to the computer. If connected via a USB hub, the PC may not recognise the PN-L501C/401C correctly and operation may be unstable.

System Requirements
- For face-up installation is 5˚C to 30˚C
- To use the touch panel, connect the bundled touchscreen touch technology

Computer Input
- Video
- PC Connection Port
- Input Terminals*4

Touchscreen
- Touch Technology: Capacitive touch
- Response Time: 9.5 ms (grey to grey, avg.)
- Maximum resolution 1,920 x 1,080 pixels
- Contrast Ratio: 178°/178° (CR 10)
- Backlight
- Active Screen Area (W x H) (approx.)

LCD Panel
- Max. Brightness (average)*1
- Pixel Pitch (H x V)
- Max. Display Colors (approx.)
- Max. Resolution
- Installation
- Landscape / Portrait / Face-up

Main Accessories
- AC power cord, remote control unit, battery (AAA size) x 2, set-up manual, cable clamp x 3, camera mount, USB cable*6, logo sticker, pen tray, touch pen, CD-ROM, portrait installation operation label, desktop stand (PN-L401C only), SHARP Display Connect license x 1
- 5,000 : 1
- Dynamic Interactive Touch Screens

Weight (approx.)
- 36 15/16” x 2 9/16” x 21 1/2”
- 30 15/16” x 20 1/2” x 21 1/2”
- 46 15/16” x 20 1/2” x 21 1/2”
- 45 5/16 (1,151)

Conditions
- Operating Humidity
- 20% to 80% RH (no condensation)
- 5˚C to 35˚C
- Hard disk
- Memory
- OS
- CPU
- PC
- Model Name
- PN-L401C
- PN-L501C

Supplied From
- Main Unit
- Model Name
- PN-L401C
- PN-L501C
- Table
- 400 cd/m2
- 300 cd/m2
- 456 (21 1/2)
- 560 (22 1/16)
- 27 (686)
- 2 9/16 (65)
- 23 7/16 (596)
- 27 9/16 (700)
- 2 11/16 (68.5)
- 3 7/8 (98)
- 200MB or more free space (additional space required for data storage)
- Intel® Celeron® 1.6GHz, or AMD Sempron™ 1.6GHz or higher (CD-ROM drive required for installation)
- Windows® 7 (32-bit/64-bit), Windows® 8.1 (32-bit/64-bit), Windows® 10 (32-bit/64-bit)
- Storage 64GB SSD
- 4GB DDR3-L
- OS Windows® 10 IoT Enterprise
- Memory  4GB DDR3-L
- Power supply From the monitor
- Power supply From the monitor
- Wireless adapter x 1 (USB 2.0)
- USB x 1 (USB 2.0), Input/output terminals LAN x 1 (10Base-T/100Base-TX), method 5 GHz, IEEE802.11a/n
- Wireless communication  2.4 GHz, IEEE802.11b/g/n
- Maximum resolution 1,920 x 1,080 (30 Hz)
- PN-ZB03AO Computing Board
- PN-ZB03W Wireless Board
- PN-ZB03H HDBaseT Receiver Board
- Wired connection
- Wired connection
- Copy protection HDCP pass-through
- Supported standard HDBaseT 2.0
- PN-L501C
- PN-L401C
- AQUOS BOARD
- AQUOS BOARD®
Maximize the Value of Interactive Technology In Smaller Spaces

The Sharp AQUOS BOARD interactive display series is designed to enhance communication and productivity. Reinforcing the lineup are 40" (39.5" diagonal) and 50" (49.5" diagonal) Class models that deliver fast, collaborative benefits in both classrooms and meeting rooms with a choice of sizes to meet your needs. In the business world, the PN-L401C/501C interactive displays are ideal for increasingly popular “huddle space” meetings in smaller areas for two to six people. Making the most of huddle spaces can optimize communication and accelerate business to a whole new level.

Intuitive Touch Signage

With its 10-point multi-touch functionality and high-sensitivity capacitive touch technology, the PN-L401C/501C interactive displays shine in a variety of roles and locations. Whether installed face-up or in a landscape or portrait orientation, they excel as interactive information interfaces. Not only are they powerful meeting tools, they can also be used to engage and inform people in stores, museums, showrooms and other public spaces. The PN-L401C/501C interactive displays’ versatile touch signage capabilities make them a true value-adder.

When it comes to digital signage, the PN-L401C/501C interactive displays’ versatile, feather-light touch capabilities add great value. For example, customers can easily browse through vivid store merchandise images and access information about products with a simple stroke of the finger. Although fingerprint soiling is common in digital signage, the glass screen is protected by a special anti-glare film that not only minimizes fingerprints, it also reduces glare and reflections in brightly-lit areas for optimal visualization.

Get the Most out of Your Face-to-Face Interactions

There are times in every day when you need to have some quick face time with a few of your colleagues or clients. It could be for a project update, a brainstorming session, or a business meeting. Every one of these impromptu gatherings can be transformed into a genuinely productive and creative session. All it takes is a little help from the PN-L401C/501C interactive displays.

Huddle Spaces

With the PN-L401C/501C interactive displays, everyone can engage meaningfully in small-group meetings by sharing onscreen information. Intuitive touchscreen operation, whether with a finger or pen, facilitates active collaboration and a lively exchange of opinions. And with the optional wireless board, you can also have BYOD meetings. Speedy, productive collaborations become a reality.

Meeting Booths

Set up a PN-L401C/501C interactive display in your company’s visitor meeting space to transform your interactions with clients and other visitors. Touchscreen functionality helps to bring greater focus and productivity to your interactions. And the PN-L401C/501C interactive displays never have to sit idle by. When not being used in a meeting, it can be used as appealing touchscreen signage displaying corporate ads, notices and other information.

Learning Areas

In both business and educational settings, the PN-L401C/501C interactive displays enhance collaboration and group learning sessions. SHARP Pen Software works with the PN-L401C/501C interactive displays in both landscape and portrait orientations. This expands the product’s range of usage to cover a variety of settings. For example, the PN-L401C/501C interactive displays can work as a sophisticated bulletin board or flip chart. You can import data to display, write on it freely by hand, and save your handwritten notes digitally for later reuse.
Effective and Interactive Communications

Full HD Touchscreen LCD

The PN-L401C/501C interactive displays employ a full-flat design with 10-point multi-touch functionality. They provide a smooth, quick response for writing and touch gestures, while delivering full HD (1,920 x 1,080-pixel) resolution. You have a choice of 40" (39.5" diagonal) or 50" (49.5" diagonal) Class screen sizes to suit your application.

Responsive and Intuitive Operation

Thanks to Sharp’s original capacitive touch technology, the PN-L401C/501C interactive displays offer extremely precise and smooth operation. The bundled 2 mm-tip touch pen facilitates communication by supporting smooth and accurate onscreen writing of fine text and lines. An onscreen touch menu lets you easily switch inputs, change between touch and pen modes and access other frequently used functions. The screen surface uses anti-glare glass, which minimizes fingerprints, and also reduces glare and reflections.

MFP Connectivity

Scanned documents can be directly imported to SHARP Pen Software from a compatible Sharp MFP. Onscreen image data, including handwriting, can be sent to a PC for storage or to an MFP for printing.

SHARP Touch Viewer™ Software

Original Sharp software lets you manipulate a variety of different files on the screen without actually opening the respective applications. The files are displayed onscreen as “sheets,” which can be stored in onscreen virtual “drawers.” This software brings convenience and originality to business meetings, in-store installations, and more.

User-Friendly SHARP Pen Software

The easy-to-launch SHARP Pen Software user interface incorporates a menu comprising smartly arranged icons that provide easy access to pen settings and other useful functions. In overlay mode, you can write onscreen annotations or graphics directly onto photos, videos, PDFs and common Microsoft® files. Text and graphics written on the PN-L401C/501C interactive displays can be stored in USB memory or sent directly via email to selected recipients. The software links smoothly with the PowerPoint® application, enabling you to perform various control operations during slideshow presentations. Support for a portrait set-up—newly introduced with this model—gives you more flexibility for use in conference rooms and classrooms.

SHARP Display Connect™

This software supports multifaceted wireless communication. Content on the PN-L401C/501C interactive displays’ screens, including handwritten notes, can be shared simultaneously with up to 50 devices. Also, files can be exchanged between devices connected to the PN-L401C/501C interactive displays.

Compatibility with Crestron Connected software enables you to remotely control and manage each monitor via a LAN network.

Other Key Features

- Mount for web camera
- Bundled stand for desktop/landscape set-up (PN-L401C)
- 16-hour daily operation

Plug into Convenience and Collaboration

As well as coming standard-equipped with a range of interface terminals such as HDMI™ and DisplayPort™ 1.2, the PN-L401C/501C interactive displays include an expansion slot compatible with the Intel® Mini Open Pluggable Specification (Mini OPS). This slot supports the addition of an optional wireless or HDBaseT™ receiver board. By making more effective use of the PN-L401C/501C interactive displays, you get greater convenience and an expanded range of functionality.

Wireless Board (PN-ZB03W)

This optional PN-ZB03W allows up to 10 devices—including Mac® or Windows® computers, smartphones, and tablets—to connect to the PN-L401C/501C interactive displays simultaneously without any cable hassles. You can display the content of one device on the whole screen, or you can display the content from up to four devices in a 2 x 2 split screen. Enabling such wireless collaboration is a great way to enhance productivity in work or educational environments.

HDBaseT Receiver Board (PN-ZB03H)

The optional PN-ZB03H can receive HDMI video/audio and control signals sent via a single LAN cable from up to 100 meters away. It also allows you to remotely operate a PC from a USB device connected to the board.*

*1 Category 6 or higher shielded cable (available commercially)
*2 Requires an HDBaseT 2.0-compatible transmitter (available commercially). Not all USB devices are supported.
Specifications

<table>
<thead>
<tr>
<th>Model Name</th>
<th>PN-L401C</th>
<th>PN-L501C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Installation</td>
<td>Landscape / Portrait / Face-up</td>
<td></td>
</tr>
<tr>
<td>Audio Input</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimensions</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LCD Panel</td>
<td>40&quot; Class widescreen (39.5&quot; diagonal)</td>
<td>50&quot; Class widescreen (49.5&quot; diagonal)</td>
</tr>
<tr>
<td>Max. Resolution</td>
<td>1,920 x 1,080 pixels</td>
<td>50&quot; Class widescreen (49.5&quot; diagonal)</td>
</tr>
<tr>
<td>Max. Display Colors</td>
<td>16.77 million colors</td>
<td>10-bit gray scale</td>
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<tr>
<td>Pixel Pitch (H x V)</td>
<td>0.457 x 0.449 mm</td>
<td>0.517 x 0.517 mm</td>
</tr>
<tr>
<td>Max. Brightness (average)</td>
<td>300 cd/m²</td>
<td>400 cd/m²</td>
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<tr>
<td>Contrast Ratio</td>
<td>5,000 : 1</td>
<td></td>
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<tr>
<td>Viewing Angle (H/V)</td>
<td>178°/178° (CR ≥ 10)</td>
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</tr>
<tr>
<td>Response Time</td>
<td>8.5 ms (gray to gray, avg.)</td>
<td></td>
</tr>
<tr>
<td>Backlight</td>
<td>LED, edge lit</td>
<td></td>
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<tr>
<td>Touchscreen</td>
<td>Capacitive touch</td>
<td></td>
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<tr>
<td>Computer Input</td>
<td>Analog RGB (0.7 Vp-p) [75Ω], HDMI, DisplayPort</td>
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<tr>
<td>Synchronization</td>
<td>NTSC, PAL, SECAM, HDTV</td>
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<tr>
<td>PC Connection Port</td>
<td>USB 2.0 (Type A)</td>
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<tr>
<td>Power Supply</td>
<td>Supplied from main unit</td>
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<tr>
<td>Multi Touch</td>
<td>10 points</td>
<td></td>
</tr>
<tr>
<td>Protection Glass</td>
<td>Thickness: approx. 2.5mm</td>
<td>Shock resistance: 130 cm²</td>
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<tr>
<td>Backlight</td>
<td>White</td>
<td></td>
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<tr>
<td>Speaker Output</td>
<td>USB 3.0 (for wireless adapter)</td>
<td></td>
</tr>
<tr>
<td>USB Hub Function</td>
<td>USB 2.0 (Type A)</td>
<td></td>
</tr>
<tr>
<td>LAN port</td>
<td>100Base-T/1000Base-TX</td>
<td></td>
</tr>
<tr>
<td>3.5 mm-diameter mini stereo jack</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>3.5 mm-diameter mini stereo jack</td>
<td>2</td>
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</tr>
<tr>
<td>CPUs</td>
<td>Intel Core i5, Intel Core i7, Intel Core i9</td>
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<tr>
<td>Memory</td>
<td>4GB DDR3-L</td>
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<tr>
<td>Hard Disk</td>
<td>120GB SSD</td>
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<td>Storage</td>
<td>64GB SSD</td>
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</tr>
<tr>
<td>OS</td>
<td>Windows 10</td>
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</tr>
<tr>
<td>Multi Touch</td>
<td>10 points</td>
<td></td>
</tr>
<tr>
<td>Power Management</td>
<td>VESA (PMI)</td>
<td></td>
</tr>
<tr>
<td>Input Terminals</td>
<td>PC analog: Mini D-sub 15-pin x 1, HDMI x 2, DisplayPort, USB Type-C</td>
<td></td>
</tr>
<tr>
<td>Output Terminals</td>
<td>USB Type-C</td>
<td></td>
</tr>
<tr>
<td>Input/Output Terminals</td>
<td>LAN port (100Base-T/1000Base-Tx) x 1, USB Type-C</td>
<td></td>
</tr>
<tr>
<td>USB Hub Function</td>
<td>USB 2.0 (Type A) x 2</td>
<td></td>
</tr>
<tr>
<td>USB Hub Function</td>
<td>USB 2.0 (Type A)</td>
<td></td>
</tr>
<tr>
<td>3.5 mm-diameter mini stereo jack</td>
<td>6</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>89W</td>
<td></td>
</tr>
<tr>
<td>Environmental Conditions</td>
<td>Operating Temperature: 5°C to 35°C</td>
<td></td>
</tr>
<tr>
<td>Operating Humidity</td>
<td>20% to 80% RH (no condensation)</td>
<td></td>
</tr>
<tr>
<td>Dimensions</td>
<td>Width: 45.1/16&quot; (1150mm)</td>
<td></td>
</tr>
<tr>
<td>Height: 7 1/8&quot; (190mm)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Depth: 1 3/16&quot; (33mm)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weight</td>
<td>61.7 lbs</td>
<td></td>
</tr>
<tr>
<td>Main Accessory</td>
<td>AC power cord, remote control unit, battery (AA size x 2, setup manual, cable clamp x 3, camera mount, USB cable*, logo sticker, pen tray, touch pen, CD-ROM, portrait installation operation label, desktop stand (PN-L401C only), Sharp Display Connect license x 1</td>
<td></td>
</tr>
</tbody>
</table>

Input/Output Terminals

[standard] (side) [standard] (bottom)

- DisplayPort
- PC/AV Input (HDMI)
- Touch panel
- Audio input
- PC/AV Input (HDMI)
- LAN port
- USB
- PC analogue output (D-sub)
- USB
- USB
- LAN port
- HDBaseT

[option]

- PN-ZB03AO
- PN-ZB03W
- PN-ZB03H

PN-ZB03W Wireless Board

- Maximum resolution: 1,920 x 1,080 (30 Hz)
- Wireless communication method: 2.4 GHz, IEEE802.11b/g/n, 5 GHz, IEEE802.11ac
- Input/output terminals: LAN x 1 (10Base-T/100Base-Tx), USB x 1 (USB 2.0), Wireless adapter x 1 (USB 2.0)
- Power supply: From the monitor

PN-ZB03AO Computing Board

- CPU: Intel Core i5-7500
- Memory: 8GB DDR3-L
- Storage: 256GB SSD
- OS: Windows 10 IoT Enterprise

PN-ZB03H HDBaseT Receiver Board

- Supported standard: HDBaseT 2.0
- Maximum resolution: 4,096 x 2,160 (30 Hz)
- Copy protection: HDBaseT pass-through
- Transmission distance: Up to 338 feet / 100 m
- Power supply: From the monitor

System Requirements

- PC: 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 i5, Intel Core i7, Intel Core i9
- Memory: 4GB DDR3-L
- Hard Disk: 120GB SSD
- OS: Windows 10

Dimensions (PN-L501C)

- Width: 49 1/2" (1257mm)
- Height: 30 1/16" (765mm)
- Depth: 1 3/16" (33mm)

Dimensions (PN-L401C)

- Width: 36 1/4" (920mm)
- Height: 21 1/2" (546mm)
- Depth: 1 3/16" (33mm)

System Requirements

- CPU: Intel Core i5, Intel Core i7, Intel Core i9
- Memory: 4GB DDR3-L
- Hard Disk: 120GB SSD
- OS: Windows 10

**Notes:**

- Specifications are subject to change without notice.
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