Interactive Display - Infrared Touch

Sharp PN-LC652



Boost engagement in learning environments

- Enjoy a natural writing experience with precise and responsive touch interaction through bonded screen technology.
- Get an out-of-the-box-ready experience with interactive functionality pre-installed; no external devices needed for an all-in-one solution.
- EShare boosts participation by wirelessly sharing content from your device to the display, and from the display to multiple devices simultaneously.
- USB-C connectivity instantly appeals to today's users who favour using their own device. A single cable transmits data, video/ audio output and power delivery for the simplest and seamless connection, even powering the connected device at the same time.
- HDMI-OUT allows connection of an additional output device such as a projector to present content on a larger canvas to reach a bigger audience.

Options

IoT and Asset Management

NaViSet Administrator 2 Sharp/NEC's software suite that provides monitoring, asset management and control functionality for display devices
Sharp/NEC's software suite that provides monitoring, asset management and control functionality for display devices.

Sharp Information Display Downloader The key software to use when installing and configuring Sharp displays
The key software to use when installing and configuring Sharp displays

Mounting Options

Trolley PD02MHA High-end motorised and height-adjustable mobile stand for dedicated Sharp/NEC large format displays (48" to 98")
High-end motorised and height-adjustable mobile stand for dedicated Sharp/NEC large format displays (48" to 98").

Wall Mount SF680P Universal XX-Large flat wall mount for dedicated Sharp/NEC large format displays (65" to 98")
Universal XX-Large flat wall mount for dedicated Sharp/NEC large format displays (65" to 98")

Wall Mount L20PNWALL90EU Universal X-Large flat wall mount for dedicated Sharp/NEC interactive large format displays (50" to 90")
Universal X-Large flat wall mount for dedicated Sharp/NEC interactive large format displays (50" to 90").

Trolley EVER 350 Mobile High-end mobile trolley for dedicated Sharp/NEC large format displays (50" to 98")
High-end mobile trolley for dedicated Sharp/NEC large format displays (50" to 98").

Trolley EVER 350 Mobile Motor High-end mobile trolley offering motorised height-adjustability for dedicated Sharp/NEC large format and interactive displays (50" to 98")
High-end mobile trolley offering motorised height-adjustability for dedicated Sharp/NEC large format and interactive displays (50" to 98").

Computing Midrange

OPS Slot-in PC Midrange (ADL) OPS slot-in PC (Intel® Core i3) for all high-end signage applications
OPS slot-in PC (Intel® Core i3) for all high-end signage applications.

Warranty Extensions

2nd Life Warranty Extension for Large Format Displays (Eco Prime) Optional Second-life warranty (3 years) for dedicated Sharp Large Format and Interactive Displays
Optional Second-life warranty (3 years) for dedicated Sharp Large Format and Interactive Displays

2nd Life Warranty Extension for Large Format Displays (Eco Value+) Optional Second-life warranty (1 year) for dedicated Sharp Large Format and Interactive Displays
Optional Second-life warranty (1 year) for dedicated Sharp Large Format and Interactive Displays

2nd Life Warranty Extension for Large Format Displays (Eco Select) Optional Second-life warranty (2 years) for dedicated Sharp Large Format and Interactive Displays
Optional Second-life warranty (2 years) for dedicated Sharp Large Format and Interactive Displays

Warranty Extension for Large Format Displays and Computing Solutions Optional Warranty Extension (4th to 5th year) for dedicated Sharp Large Format Displays and Computing Solutions
Optional Warranty Extension (4th to 5th year) for dedicated Sharp Large Format Displays and Computing Solutions

Value Added Services

De-/Re-install Service for Large Format Displays Optional De-/Re-install Service (1st to 3rd year or 1st to 5th year) for dedicated Sharp Large Format Displays
Optional De-/Re-install Service (1st to 3rd year or 1st to 5th year) for dedicated Sharp Large Format Displays

Laser Branding Optional Laser Branding Service for dedicated Sharp Display Products
Optional Laser Branding Service for dedicated Sharp Display Products

Support+ Optional additional services (1st to 3rd year) for dedicated Sharp Display Products
Optional additional services (1st to 3rd year) for dedicated Sharp Display Products

Speakers and Soundbars

PN-ZCMS1 All-in-one collaboration videobar incl
All-in-one collaboration videobar incl. speaker, microphone and camera.

Cables

USB-C 5M 5m USB Type-C cable
5m USB Type-C cable

USB-C 7M 7m USB Type-C cable
7m USB Type-C cable

Computing Enterprise

OPS Slot-in PC Enterprise Ultra (RPH) OPS slot-in PC (Intel® Core i7) for demanding meeting room applications
OPS slot-in PC (Intel® Core i7) for demanding meeting room applications.

OPS Slot-in PC Enterprise Pro (RPH) OPS slot-in PC (Intel® Core i5) for demanding meeting room applications
OPS slot-in PC (Intel® Core i5) for demanding meeting room applications.

Interactive Options

Sharp Universal Pen SUP02-M Universal passive pen for Sharp interactive large format displays
Universal passive pen for Sharp interactive large format displays.

Computing Advanced

OPS Slot-in PC Advanced (RPH) OPS slot-in PC (Intel® Core i5) for all high-end signage applications
OPS slot-in PC (Intel® Core i5) for all high-end signage applications.

Specifications

General

Series	[sharp-pn-lc-series]
Order Code	PNLC652

Display

Active Screen Area Width (mm)	1428.5
Active Screen Area Height (mm)	803.5
Aspect Ratio	16:9
Brightness Without Glass (cd/m²)	450
Colour Depth	1.07 (8bit + FRC)
Contrast Ratio	1200:1
Panel Technology	IPS with Direct LED backlights
Pixel Pitch (mm)	0.372
Response Time Grey-to-grey (ms)	8
Screen Size (inch)	65
Screen Size (cm)	163.9
Supported Orientation	Landscape
Viewing Angle	178 horizontal / 178 vertical (typ. at contrast ratio 10:1)

Touch

Touch Accuracy +/- (mm)	1
Data Interface	USB 2.0 (full speed) HID; USB powered, plug & play
Number of Touches	Real multi-touch up to 20 touches
Touch Method	Finger, Gloves
Stylus	Stylus dual pen tip (3mm/9mm)
Touch Technology	Infrared

Protective Glass

Glass Bonding Gap (mm)	0.8
Glass Thickness (mm)	3.2
Glass Hardness	≥ 8
Glass Type	Thermal-tempered, anti-glare coating

Resolution

Native Resolution	3840 x 2160
Supported Resolutions	1280 x 1024, 1920 x 720, 720 x 576, 3840 x 2160, 720 x 480, 1920 x 1080, 4096 x 2160, 1680 x 1050, 1440 x 900, 1280 x 960, 1024 x 768 , 800 x 600, 1360 x 768, 640 x 480

Open Modular Intelligence

OPS Max. Current / Power Consumption (A / W)	4.74 / 90.0
OPS Slot	Slot Technology: Open pluggable specification (NEC / Intel OPS standard)

Electrical

Power Supply	100-240 V AC, 50/60 Hz
Power Savings Mode (W)	< 0.5 (ECO Standby), < 2.0 (Networked Standby)

Mechanical

Bezel Width Bottom (mm)	53.2
Bezel Width Right (mm)	21.9
Bezel Width Left (mm)	21.9
Bezel Width Top (mm)	21.9
Dimensions Width (mm)	1511.6
Dimensions Height (mm)	917.9
Dimensions Depth (mm)	85.9
Packaging Dimensions Width (mm)	1660
Packaging Dimensions Height (mm)	1010
Packaging Dimensions Depth (mm)	225
Packaging Weight (kg)	49
VESA Mounting Holes	4
VESA Mounting Screw	M8
VESA Mounting FDMI	600 x 400
Weight (kg)	38.5

Environmental Conditions

Operating Humidity (%)	20 to 80
Operating Temperature (°C)	+5 to +35

Embedded Computing

Android Features	Hide compass and side bar
Built-in Applications	Whiteboard, File Manager, Web Browser, Wireless Screen Sharing – Miracast, Airplay & Google cast, EShare
Built-in Tools	Calculator, Calender, Timer, Screen recorder, Voting Kit, Annotation overlay mode, Compass for shortcut button
CPU	Arm Cortex-A55 (Quad-Core)
Internal Storage	16GB ROM
System Memory	4G RAM
System Version	Android 11

Bluetooth

Bluetooth	4.2 compliant, supported protocols: A2DP, AVRCP, GATT, HID, HSP, HFP

Wireless LAN

WLAN	IEEE802.11 ac/n/a/g/b compliant

Available Software

Free Software Included	EShare, Sharp Pen Software - free download

Regulatory

Safety and Ergonomics	REACH, RCM, RoHS, UL/C-UL, CE, FCC, UKCA

3rd Party Certifications

3rd Party Certificate	Tested compatible for Barco ClickShare (Conference), Q-Sys Plug-in

Additional Features

Operating Hours	16/7
Remote Management	NaViSet Administrator 2
Security	Disable HW Buttons, Disable IR Functionality, Disable USB and LAN Ports
Shipping Content	Display, Remote Control , Power Cable, Cable Clamps, 1 x 300 cm USB Cable, 2 x AAA batteries, Blank Sticker, Pen Tray, Wireless Adapter, 2 x Passive Stylus, Bracket for Camera
Warranty	optional 4. + 5. year warranty extension, 3 years warranty incl. backlight

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