

Interactive Display - Infrared Touch

Sharp PN-LC862



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

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

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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 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

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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

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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

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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

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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

Mounting Options

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")

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").

Trolley PD02MHA-CB86 High-end motorised and height-adjustable mobile mount for NEC MultiSync® CB861Q, Sharp PN-L862B and PN-LC862 large format displays

High-end motorised and height-adjustable mobile mount for NEC MultiSync® CB861Q, Sharp PN-L862B and PN-LC862 large format displays.

EVER VESA Adapter VESA Adapter for Ever 350 Mobile and Ever 350 Mobile Motor trolleys

VESA Adapter for Ever 350 Mobile and Ever 350 Mobile Motor trolleys.

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	PNLC862

Display

Active Screen Area Width (mm)	1895
Active Screen Area Height (mm)	1066
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)	0.494
Response Time Grey-to-grey (ms)	8
Screen Size (inch)	86
Screen Size (cm)	217.4
Supported Orientation	Landscape

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

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)	1967.9
Dimensions Height (mm)	1170.2
Dimensions Depth (mm)	87.1
Packaging Dimensions Width (mm)	2160
Packaging Dimensions Height (mm)	1310
Packaging Dimensions Depth (mm)	225
Packaging Weight (kg)	81
VESA Mounting Holes	4
VESA Mounting Screw	M8
VESA Mounting FDMI	800 x 600
Weight (kg)	65

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	File Manager, Web Browser, Whiteboard, Wireless Screen Sharing - E-Share
Built-in Tools	Calculator, Screen recorder, Calender, Voting Kit, Timer, 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
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Wireless LAN

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

Free Software Included	Sharp Pen Software - free download, EShare
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Regulatory

Safety and Ergonomics	FCC, RCM, UL/C-UL, REACH, CE, RoHS, UKCA
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3rd Party Certifications

3rd Party Certificate	Tested compatible for Barco ClickShare (Conference), Q-Sys Plug-in
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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	Cable Clamps, 2 x AAA batteries, Remote Control, 1 x 300 cm USB Cable, Display, Power Cable, 2 x Passive Stylus, Blank Sticker, Pen Tray, Wireless Adapter, Bracket for Camera
Warranty	optional 4. + 5. year warranty extension, 3 years warranty incl. backlight

