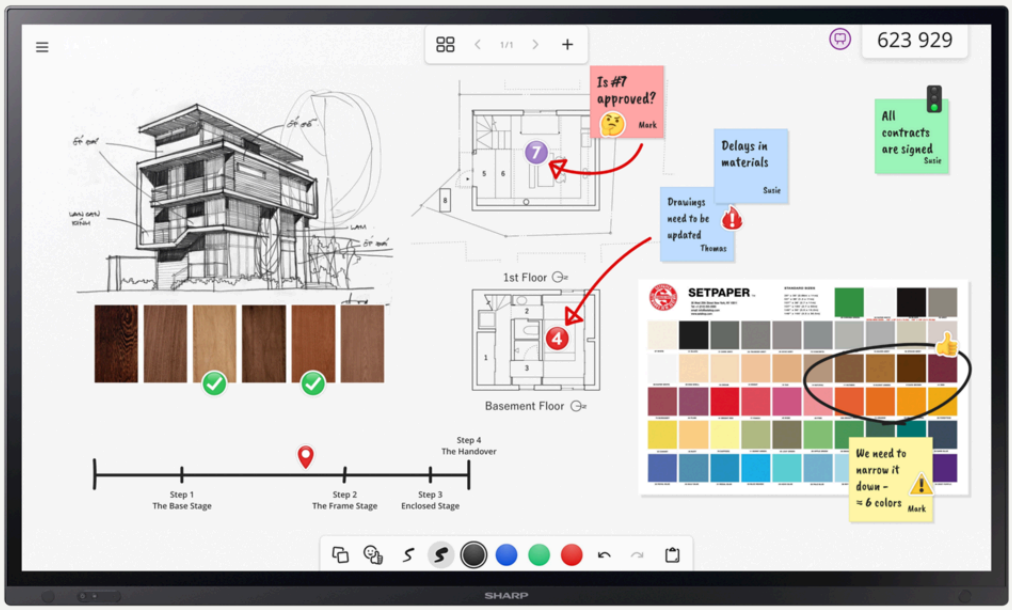
Interactive Display - InGlass™ Touch

Sharp PN-LA862



Safeguarding security and promoting productivity in hybrid meetings

- Most natural writing experience InGlass™ M5 premium touch system supports patented pressure sensitivity using passive pens as well as Windows Ink and palm rejection.
- Secure by design the non-Android platform with additional security features meets the highest IT security standards.
- Optional Windows based Intel SDM slot-in PC driving unlimited versatility with powerful integrated computing. Includes Sharp's Meeting Launcher for quick and easy access to your apps offering a secure and locked environment.
- Seamless meeting workflows a single USB-C cable transmits video, data, and power for instant, clutter-free meeting setups. As the established standard for modern collaboration spaces, USB-C supports frictionless BYOD experiences.
- Energy efficiency built-in functionality including an ambient light sensor, human presence detection and eco modes help to reduce power consumption.

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

Firmware Update Tool Utility to assist with updating the firmware of dedicated Sharp/NEC large format and desktop displays
Utility to assist with updating the firmware of dedicated Sharp/NEC large format and desktop displays.

Speakers and Soundbars

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

SP-RM3a Active high-end speaker for dedicated Sharp/NEC large format displays
Active high-end speaker for dedicated Sharp/NEC large format displays.

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

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.

Face-Up Bracket PN-LA862 Face-up supporting brackets for Sharp PN-LA862
Face-up supporting brackets for Sharp PN-LA862

Interfaces and Adapters

SDM HDBaseT Receiver Slot-in board for video signal transmission up to 150m through a single network cable
Slot-in board for video signal transmission up to 150m through a single network cable

SDM 12G SDI Receiver Slot-in board for transmission of uncompressed and unencrypted video signals in UHD resolution
Slot-in board for transmission of uncompressed and unencrypted video signals in UHD resolution

USB Type C Interface Board Slot-in board providing USB Type C connection
Slot-in board providing USB Type C connection

Computing Enterprise

SDM Slot-In PC Collaboration SDM slot-In PC (Intel® Core i5) for interactive displays in meeting rooms
SDM slot-In PC (Intel® Core i5) for interactive displays in meeting rooms

SDM Slot-In PC Enterprise (RPL) SDM slot-In PC (Intel® COre i5) for demanding meeting room applications
SDM slot-In PC (Intel® COre i5) for demanding meeting room applications

SDM Slot-In PC Collaboration (RPL) SDM slot-In PC (Intel® Core i5) for interactive displays in meeting rooms
SDM slot-In PC (Intel® Core i5) for interactive displays in meeting rooms

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

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 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").

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

Computing Advanced

SDM Slot-In PC Advanced (RPL) SDM slot-in PC (Intel® Core i5) for any high-end signage application
SDM slot-in PC (Intel® Core i5) for any high-end signage application

Interactivity and Collaboration

Sharp Multi-Board Driver Sharp's unique multi-board-driver enables simultaneous writing on up to three LA series interactive displays
Sharp's unique multi-board-driver enables simultaneous writing on up to three LA series interactive displays

Specifications

General

Series	[sharp-pn-la-series]
Order Code	PNLA862

Display

Aspect Ratio	16:9
Brightness Without Glass (cd/m²)	500
Colour Depth	1.073 (10bit)
Colour Gamut	68% of DCI
Contrast Ratio	1200:1
Panel Refresh Rate (Hz)	60
Panel Technology	IPS with Direct LED backlights
Response Time Grey-to-grey (ms)	8
Screen Size (inch)	86
Screen Size (cm)	217.4
Supported Orientation	Portrait, Landscape, Face Up
Viewing Angle	178 horizontal / 178 vertical (typ. at contrast ratio 10:1)

Touch

Data Interface	USB-HID
Number of Touches	Real multi-touch up to 20 touches
Writing Features	[windows-ink], [palm-rejection]
Touch Response Time ≤ (ms)	15
Touch Supported OS	Android, Linux, Mac OS (single touch), Raspberry Pi, Windows
Touch Method	Finger, Gloves
Stylus	(≥ 2 mm)
Touch Technology	InGlass™ M5

Protective Glass

Glass Thickness (mm)	3
Glass Hardness	≥ 8

Resolution

Native Resolution	3840 x 2160
Supported Resolutions	1024 x 768 , 1280 x 720, 1280 x 1024, 3840 x 2160, 1920 x 1200, 1600 x 1200, 1400 x 1050, 1366 x 768, 1360 x 768, 1920 x 2160, 1920 x 1080, 1440 x 900, 2560 x 1600, 4096 x 2160, 7680 x 4320, 2560 x 1440

Connectivity

Audio Output 3.5mm	Audio Output, Line Out
DisplayPort In 1	Video Input, UHD (60 Hz) DP 1.2, HDCP (2.2), Audio Input
DisplayPort Out	Video Output, UHD (60 Hz) DP 1.2, HDCP (2.2), Audio Output
HDMI In 1	Video Input, Audio Input, UHD (60 Hz) HDCP (2.2), CEC
HDMI In 2	Video Input, UHD (60 Hz) HDCP (2.2), Audio Input, CEC, ARC
Input Detect	Custom, Last, First
LAN 1	100 MBit/s
PiP / PbP	Dual-Split, Quad-Split, Scalable picture size
RS-232C (bps)	9600
USB-A Service	USB 2.0, Service
USB-A 1	[usb-32], [450-w], Peripherals, USB Storage
USB-A 2	[usb-32], Peripherals, USB Storage, [450-w]
USB-B 1	Touch Signal, USB (3.2)
USB-C 1	65 W, HDCP (2.2), Audio Input, USB 2.0 / 3.2, Touch Signal, DP alt. 1.4, UHD (60 Hz), Video Input

Open Modular Intelligence

Compute Module Slot	[accepts-intel-smart-display-modules-large-and-small-up-to-66]

Sensors

Ambient Light Sensor	Integrated, triggered actions programmable
Temperature Sensor	Integrated, 3 sensors, triggered actions programmable

Electrical

Power Consumption typ. (W)	275
Power Supply	50/60 Hz, 100-240 V AC, internal
Power Savings Mode (W)	< 2.0 (Networked Standby), < 0.5

Mechanical

Bezel Width Bottom (mm)	32.3
Bezel Width Right (mm)	4.8
Bezel Width Left (mm)	4.8
Bezel Width Top (mm)	4.8
Dimensions Width (mm)	1965.4
Dimensions Height (mm)	1163.9
Dimensions Depth (mm)	86.5
Ingress Protection	IP6x (front); IP2x (back)
Packaging Dimensions Width (mm)	2095
Packaging Dimensions Height (mm)	1310
Packaging Dimensions Depth (mm)	225
Packaging Weight (kg)	87
VESA Mounting Holes	4
VESA Mounting Screw	M8
VESA Mounting FDMI	600 x 400
Weight (kg)	71.5
Material	Metal

Environmental Conditions

Operating Humidity (%)	20 to 80
Operating Temperature (°C)	+0 to +35
Storage Humidity (%)	10 to 80
Storage Temperature (°C)	-20 to 60

Available Software

Free Software Included	AirServer, Sharp Pen Software - free download

Regulatory

Pixel Failure Class	ISO 9241-307, Class 1
Resistance to Fire	Metal backcover, plastic material certified acc. to UL94-5VB
Safety and Ergonomics	EMC Class B, CE, RoHS, UL/C-UL, RCM, PSB, SASO, UKCA

Green Features

Ecological Standards	EnergyStar 8.0
Energy Efficiency	Ambient light sensor, Human sensor

3rd Party Certifications

3rd Party Certificate	Tested compatible for Barco ClickShare (Conference), Verified for Cisco Collaboration Devices, Certified for Crestron CCV2

Additional Features

Audio	Integrated Speakers (2 x 10 W)
Operating Hours	24/7
Remote Management	NaViSet Administrator 2
Security	Disable HW Buttons, Disable IR Functionality, IEEE802.1X (LAN), Disable USB and LAN Ports
Shipping Content	2 x Passive Stylus, Setup Manual, 2 x AAA batteries, Remote Control, Power Cable, Display, Cable Clamps, Blank Sticker, 1 x 300 cm USB Cable, Bracket for Mini PC, Bracket for Camera
Special Characteristics	Clone Settings
Warranty	3 years warranty incl. backlight, additional services available, optional 4. + 5. year warranty extension

© 2026 Sharp Display Solutions Europe GmbH. All rights reserved. All product names, company names, logos, trademarks, service marks and registered trademarks are the property of their respective owners. Design, features and specifications are subject to change without notice. Information is believed to be accurate at the time of publication. Errors and omissions excepted. Revision date: 09 July 2026. Sharp PN-LA862, 15/10/2026