LCD 86" InGlass™Touch Display

Sharp PN-LA862



*Optional with SDM-L Collaboration



Safeguarding security and promoting productivity in hybrid meetings

Bringing advanced professional functionality to Enterprise users, the Sharp LA series safeguards the highest IT security standards whilst supporting maximum choice and flexibility. An Intel™SDM slot expands the display's customisable capability allowing safe and seamless integration into corporate IT systems, or benefit from pre-installed functionality including Sharp Meeting Launcher for quick access to your favourite apps and VC platforms and AirServer™ for wireless screen sharing.

Featuring InGlass™ M5 premium touch technology, users benefit from the most natural writing experience and advanced interactive functionality. The high brightness output, high haze panel and premium glass coating delivers best readability in well-lit meeting rooms, without distraction from reflections, glare or fingerprints.

The LA series supports orientation any which way, including face up, allowing table-top, tilted desk or multi-board side-by-side installations for up to three displays. Users can connect their own notebook, safely and securely via a USB-C connection, providing best versatility in hybrid meetings and spontaneous collaborative interactions.

The LA series integrates elegantly and seamlessly into high-end meeting rooms and boardrooms providing trusted long-life performance whilst making minimal energy demands.

Benefits

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.

Specifications

Product Information

Product Name
Sharp PN-LA862

Product Group
LCD 86" InGlass™Touch Display

Order Code
PNLA862

Display

Panel Technology
IPS with Direct LED backlights

Screen Size [inch/cm]
86 / 217.4

Aspect Ratio
16:9

Brightness (without glass) [cd/m²]
500

Contrast Ratio (typ.)
1200:1

Viewing Angle [°]
178 horizontal / 178 vertical (typ. at contrast ratio 10:1)

Colour Depth [bn]
1.073 (10bit)

Colour Gamut
68% of DCI

Response Time (typ.) [ms]
8 (grey-to-grey)

Panel Refresh Rate [Hz]
60

Supported Orientation
Face Up [1]; Landscape; Portrait

Touch

Touch Technology
InGlass™ M5

Number of Touches
Real multi-touch up to 20 touches

Response Time [ms]
≤ 15

Touch Method
Finger; Gloves; Stylus (≥ 2 mm)

Supported Operating System
Android; Linux; Mac OS (single touch); Raspberry Pi; Windows

Data Interface
USB-HID

Accuracy [mm]
< 1

Windows Ink
Yes

Palm Rejection
Yes

Protective Glass

Type
Premium toughened glass, anti-glare coating; Zero Bonding

Thickness [mm]
3

Haze Level [%]
4 ~ 8

Hardness [H]
≥ 8

Resolution

Native Resolution
3840 x 2160

Supported Resolutions

1024 x 768;	1440 x 900;	2560 x 1600;
1280 x 1024;	1600 x 1200;	3840 x 2160;
1280 x 720;	1920 x 1080;	4096 x 2160;
1360 x 768;	1920 x 1200;	7680 x 4320
1366 x 768;	1920 x 2160;	
1400 x 1050;	2560 x 1440;	

Synchronisation Rate

Horizontal Frequency [kHz]
15 - 135

Vertical Frequency [Hz]
23 - 76

Connectivity

HDMI IN 1
Video Input; UHD (60 Hz) HDCP (2.2); Audio Input; CEC

HDMI IN 2
ARC; Video Input; UHD (60 Hz) HDCP (2.2); Audio Input; CEC

DP IN 1
Video Input; UHD (60 Hz) DP 1.2; HDCP (2.2); Audio Input

DP OUT
Video Output; UHD (60 Hz) DP 1.2; HDCP (2.2); Audio Output

USB-A 1
USB (3.2); 45 W; Peripherals; USB Storage

USB-A 2
USB (3.2); 45 W; Peripherals; USB Storage

USB-A (Service)
USB 2.0; Service

USB-C 1
Touch Signal; Video Input; UHD (60 Hz); DP alt. 1.4; HDCP (2.2); Audio Input; USB 2.0 / 3.2; 65 W

USB-B 1
Touch Signal; USB (3.2)

Audio Output (3.5 mm)
Audio Output; Line Out

LAN 1
100 MBit/s

RS-232C
9600 bps

Input Detect
Custom; Last; First

PiP / PbP
Dual-Split; Quad-Split; Scalable picture size

Open Modular Intelligence

Intel® SDM
accepts Intel® Smart Display Modules Large and Small up to 66 W

Sensors

Ambient Light Sensor
Integrated, triggered actions programmable

Temperature Sensor
Integrated, 3 sensors, triggered actions programmable

Presence Sensor
H angle left: 60°, H angle right: 60°, Distance: 3.6 m

Electrical

Power Consumption [W]
275 (typ.)

Power Savings Mode [W]
< 0.5; < 2 (Networked Standby)

Power Management
VESA DPMS

Power Supply
100-240 V AC; 50/60 Hz; internal

Environmental Conditions

Operating Temperature [°C]
+0 to +35

Operating Humidity [%]
20 to 80

Storage Humidity [%]
10 to 80

Storage Temperature [°C]
-20 to 60

Mechanical

Dimensions (W x H x D) [mm]
1,965.4 x 1,163.9 x 86.5

Weight [kg]
71.5

Bezel Width [mm]
32.3 (bottom); 4.8 (left/right/top)

VESA Mounting [mm]
4 holes; 600 x 400 (FDMI); M8

Ingress Protection
IP6x (front); IP2x (back)

Packaging Dimensions (W x H x D) [mm]
2,095 x 1,310 x 225

Packaging Weight [kg]
87

Material
Metal

Available Options

Accessories
Pen software license extension PN-SU01; Trolley (L20PNSR780MEU, PD02MHA, PD03MHA); USB-C cable (USB-C 5M); Wall mount (L20PNWALL90EU)

Regulatory

Safety and Ergonomics
CE; EMC Class B; Energy Star 8; FCC Class B; PSB; RCM; RoHS; SASO; UKCA; UL/C-UL

Pixel Failure Class
ISO 9241-307, Class 1

Resistance to Fire
Metal backcover, plastic material certified acc. to UL94-5VB

Green Features

Energy Efficiency
Ambient Light Sensor; ECOMode; Human Sensor; LED Backlight; Local Dimming

Ecological Standards
EnergyStar 8.0

3rd Party Certifications

Cisco
Verified for Cisco Collaboration Devices

Barco ClickShare
Tested compatible for Barco ClickShare (Conference)

Crestron
Certified for Crestron CCV2

Additional Features

Special Characteristics
CEC Support; Clone Settings; Display Browser Control; HDMI ARC; HTTP Server; NaViSet Administrator 2 - free download; Powered USB Port (65 W)

Audio
Integrated Audio Amplifier (for optional speakers up to 2 x 15 W); Integrated Speakers (2 x 10 W)

Shipping Content
1x 300 cm USB Cable; 2 x Passive Stylus; 2x AAA batteries; Blank Sticker; Bracket for Camera; Bracket for Mini PC; Cable Clamps; Display; Power Cable; Remote Control; Setup Manual

Warranty
3 years warranty incl. backlight; additional services available; optional 4. + 5. year warranty extension [2]

Operating Hours
24/7

External Control
Crestron V2; HDMI CEC; HTTP Browser; Scheduled Timer

Remote Management
Automated Email Alerts; NaViSet Administrator 2

Security
Disable HW Buttons; Disable IR Functionality; Disable USB and LAN Ports; Emergency Notification; IEEE802.1X (LAN)

[1] adjusted usage conditions for face up/down installations, please refer to operational guidelines or contact our support

[2] please refer to terms and conditions of warranty extensions

CE RoHS FCC Class B RCM

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