SHARP / NEC

Sharp PN-LA862

LCD 86" InGlass™ Touch Display

Datasheet



*Optional with SDM-L Collaboration



Safeguarding security and promoting productivity in hybrid meetings

Bringing advanced professional functionality to Enterprise users, the Sharp/NEC 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, FlatFrog Board collaborative whiteboarding software, 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.

Increase your productivity – benefit from a free one-year license for FlatFrog Board for Rooms. FlatFrog Board whiteboard software makes hybrid work easy and productive for everyone.

Energy efficiency – built-in functionality including an ambient light sensor, human presence detection and eco modes help to reduce power consumption.

Product Information

Product Name	Sharp PN-LA862
Product Group	LCD 86" InGlass™Touch Display
Order Code	60005935

Display

Panel Technology	IPS with Direct LED backlights
Screen Size [inch/cm]	86 / 217.4
Aspect Ratio	16:9
Brightness [cd/m²]	500 (LCD panel without glass); 450 (product)
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
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	Native Multi-Touch: Windows 7, Windows 8, Windows 10, Linux, Android; Default Mouse: Windows XP, Windows Vista, Mac OS X

Data Interface	USB-HID
Accuracy [mm]	< 1
Windows Ink	yes
Palm Rejection	yes

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

Synchronisation Rate

Horizontal Frequency [kHz]	15 - 135
Vertical Frequency [Hz]	23 - 76

Connectivity

Input Video Digital	1 x DisplayPort (with HDCP); 1 x USB-C (with HDCP, 65 W); 2 x HDMI (with HDCP)
Input Audio Digital	1 x DisplayPort; 2 x HDMI
Input Control	LAN 100Mbit; RS232
Input Data	1 x USB 2.0 (Powered 5V/2A, Firmware Updates); 1 x USB 2.0 Type-B (Downstream); 2 x USB 2.0 (Downstream)
Output Video Digital	1 x DisplayPort (loop through: DisplayPort, SDM slot-in PC)
Output Audio Analogue	1 x 3,5 mm jack
Output Control	1 x LAN 100Mbit
Input Detect	Custom; First; Last
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 shipping
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 and 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

Pre-installed Applications

Free Software Included	FlatFrog Board for Rooms (1 year) - free download

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; 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	LED backlight
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 and XiO Cloud

Additional Features

Special Characteristics	HDMI ARC; NaViSet Administrator 2 - free download; Powered USB Port (5 W)
Audio	Integrated Audio Amplifier (for optional speakers up to 2 x 15 W); Integrated Speakers (10 W + 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; SNMP
Remote Management	Automated Email Alerts; NEC NaViSet Administrator 2
Security	Disable HW Buttons; Disable IR Functionality; 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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