LCD 86" Precision Touch Display

Sharp PN-L862B





*AV Soundbar PN-ZCMS1 optional

Enjoy a more natural way of working

The BIG PAD L2B range of smart interactive displays combines genuine '4K reading and writing' and an intuitive 'Pen-on-Paper' user experience with Zero Bonding and Sharp's PrecisionTouch technology. The single USB-C connector makes it so simple to walk into a room, plug in your device and start working together straightaway. The L2B series also features an integrated Android PC with whiteboard, overlay writing mode and wireless screen sharing functionality as well as graded security to help enhance your productivity.

The BIG PAD L2B series is the perfect choice for busy office environments, boardrooms, meeting rooms and training sessions that require quick responsive operation and smart integrated collaboration tools. It encourages effective group teamwork, promotes idea sharing and helps people deliver great presentations and achieve better meeting outcomes.

Benefits

Pen-On-Paper user experience – Zero Bonding and Sharp's PrecisionTouch technology enable highly accurate and responsive writing and drawing with up to 20 touch points.

Out-of-the-box collaboration – the integrated Android PC features a powerful home screen launcher offering fast and flexible access to a range of pre-installed applications.

Latest BYOD wireless collaboration – wirelessly share content from any device via the integrated Android PC or utilise the OPS slot to extend the BIG PADs functionality with third-party add-ons and solutions.

Maximum flexibility – provides exceptional freedom of use to meet the demands of even the most challenging corporate environments using USB-C, HDMI or VGA connectors.

'Secure by design' – graded data security allows to adjust the level of security of the Android PC and maintain protection at the security level you need.

Specifications

Product Information

Product Name
Sharp PN-L862B

Product Group
LCD 86" Precision Touch Display

Order Code
PNL862B

Display

Panel Technology
IPS with Direct LED backlights

Active Screen Area (W x H) [mm]
1,895 x 1,066

Screen Size [inch/cm]
86 / 217.4

Aspect Ratio
16:9

Brightness (without glass) [cd/m²]
400

Contrast Ratio (typ.)
1200:1

Viewing Angle [°]
178 / 178 (at contrast ratio > 10:1)

Response Time (typ.) [ms]
8

Supported Orientation
Landscape

Touch

Touch Technology
Precision

Number of Touches
Real multi-touch up to 20 touches

Touch Method
Finger; Gloves; Stylus dual pen tip (3mm/9mm)

Data Interface
USB-HID

Windows Ink
Yes

Palm Rejection
No

Operating System
Native Multi-Touch: Windows 8.1/10/11, Linux, Android 9.0 or higher, Chrome OS 87 or higher; Single Touch (Default Mouse): Mac OS 10.15/11/12

Protective Glass

Type
Thermal-tempered, anti-glare coating; Zero Bonding

Bonding Gap [mm]
< 1

Thickness [mm]
3.4

Haze Level [%]
3 ~ 8

Hardness [H]
≥ 8

Resolution

Native Resolution
3840 x 2160

Supported Resolutions

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

Connectivity

Input Video Analogue
1 x VGA

Input Video Digital
1 x USB-C (with HDCP, 65 W); 3 x HDMI (with HDCP)

Input Audio Analogue
1 x 3,5 mm jack

Input Control
LAN 100Mbit; RS232

Input Data
1 x USB 2.0 (Type-A); 2 x USB 3.0 (Type-B); 4 x USB 3.0 (Type-A)

Input Touch
1x USB Type-C (shared with video input); 2 x USB 2 (Type-B)

Output Audio Analogue
1 x 3,5 mm jack

Output Control
RS232

Open Modular Intelligence

OPS Slot
Slot Technology: Open pluggable specification (NEC / Intel OPS standard)

OPS Max. Current / Power Consumption [A / W]
3.25 / 65

Electrical

Power Consumption [W]
295 Eco (shipment setting)

Power Savings Mode [W]
< 0.5

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

Environmental Conditions

Operating Temperature [°C]
+5 to +35

Operating Humidity [%]
20 to 80

Mechanical

Dimensions (W x H x D) [mm]
1,957 x 1,159.5 x 85.7

Weight [kg]
62.5

Bezel Width [mm]
16.8 (left/right/top); 45.7 (bottom)

VESA Mounting [mm]
4 holes; 800 x 600 (FDMI); M8

Packaging Dimensions (W x H x D) [mm]
2,112 x 1,283 x 280

Packaging Weight [kg]
84

Embedded Computing

System Version
Android 9.0

CPU
Arm Cortex-A73 (Quad-Core)

System Memory
4G RAM

Internal Storage
32GB ROM

Android Features
App side loading (Google CTS compliant); Hide Android SoC

Built-in Applications
File Manager; Input Select; PDF Viewer; Setting; Web Browser; Whiteboard; Wireless Screen Sharing - Bytello Share

Built-in Tools
Annotation overlay mode

Bluetooth

Bluetooth
5.0 compliant, supported protocols: A2DP, AVRCP, GATT, HID

Wireless LAN

WLAN
IEEE802.11 a/b/g/n/ac/ax compliant; WPA/WPA2/WPA3 Enterprise, Access Point

Available Options

Accessories
Pen software license extension PN-SU01; Soundbar (PN-ZCMS1); Trolley (PD02MHA-CB86; PD03MHA-CB86); USB-C cable (USB-C 5M); Wall mount (SF680P)

OPS Slot
Recommended: OPS Enterprise Pro, OPS Enterprise Ultra

Regulatory

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

3rd Party Certifications

Barco ClickShare
Tested compatible for Barco ClickShare (Conference)

Crestron
Certified for Crestron CCV2

Q-Sys
Q-Sys Plug-in

Additional Features

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

Audio
Integrated Speakers (10 W + 10 W)

Shipping Content
1x 300 cm USB Cable; 2 x Stylus; 2x AAA batteries; Bracket for Camera; Bracket for Mini PC; Cable Clamps; Display; Power Cable; Remote Control; User Manual; Wireless Adapter

Warranty
3 years warranty incl. backlight; optional 4. + 5. year warranty extension [1]

Operating Hours
16/7

Remote Management
NaViSet Administrator 2

Security
Disable HW Buttons; Disable IR Functionality; Disable USB and LAN Ports; IEEE802.1X (Wi-Fi)

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

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