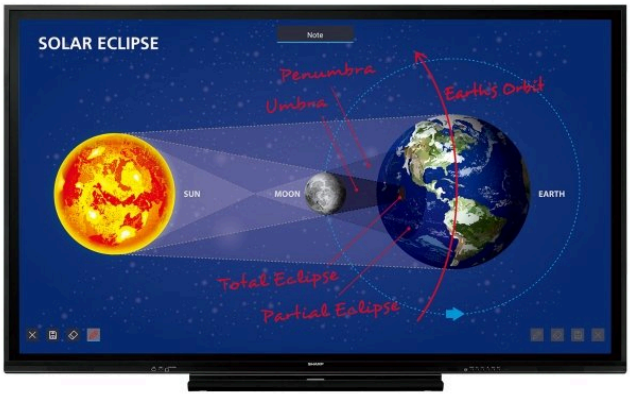
Sharp PN-86HC1

LCD 86” Infrared Touch Display

Datasheet





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The Sharp PN-HC1 BIG PAD interactive display series enables ultra clear ‘4K Reading‘ of detailed 4K screen data and makes presenting really easy with an intuitive Pen-on-Paper user experience. It also has the tools you need for effortless productivity, such as an integrated System on Chip (SoC) PC with launcher, whiteboard, overlay and wireless sharing functionality.

It is the ideal choice for environments that require quick responsive operation, an ergonomically comfortable resolution and a range of smart collaboration features. Whether you are teaching and training, working in a meeting room or reviewing detailed documents it is great for enabling more effective learning, promoting idea sharing and encouraging group interactivity.

Benefits

Keep everyone “eyes up” – present, create and collaborate with ease and precision.

A natural Pen-on-Paper experience – using the passive pen stylus or finger to quickly highlight and annotate key information.

A flexible way to teach – having the freedom to quickly and easily share the right information in the right way.

Simply all you need – an integrated SoC (System on Chip) is included to enable effective ways of teaching and collaborative learning.

Fast, intuitive controls – all the buttons needed to adjust and optimize the performance of the display are in easy reach.

Product Information

Product Name	Sharp PN-86HC1
Product Group	LCD 86" Infrared Touch Display
Order Code	60005540

Display

Active Screen Area (W x H) [mm]	1,895 x 1,066
Screen Size [inch/cm]	86 / 217.4
Aspect Ratio	16:9
Pixel Pitch [mm]	0.4935
Brightness [cd/m²]	400
Contrast Ratio (typ.)	1200:1
Viewing Angle [°]	178 / 178 (at contrast ratio > 10:1)
Colour Depth [bn]	1,073 (10bit)
Response Time (typ.) [ms]	8 (grey-to-grey)
Supported Orientation	Landscape

Glass

Type	Thermal-tempered, anti-glare coating
Thickness [mm]	4
Haze Level [%]	3 ~ 8
Hardness [H]	≥ 8

Resolution

Native Resolution	3840 x 2160

Connectivity

Input Video Analogue	1 x VGA
Input Video Digital	3 x HDMI
Input Audio Analogue	1 x 3,5 mm jack
Input Control	LAN 100Mbit
Input Data	1 x USB 2.0 (Type-B); 2 x USB 2.0 (Type-A)
Output Audio Analogue	1 x 3,5 mm jack
Remote Control	LAN; RS-232C (9-pin D-sub) Input
Input Detect	Last

Open Modular Intelligence

OPS Slot	Slot Technology: Open pluggable specification (NEC / Intel OPS standard)
OPS Max. Current / Power Consumption [A / W]	3.25 / 65

AirServer Embedded Screen Mirroring Solution

AirPlay	iOS, iPadOS and macOS
Google Cast	Android, Chrome OS and Google Chrome
Miracast	Android and Windows

Electrical

Power Consumption Eco/max. [W]	530 Eco (shipment setting), 530
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]	1,988 x 1,175 x 113
Weight [kg]	80
Bezel Width [mm]	18 (left, right and top); 41 (bottom)
VESA Mounting [mm]	4 holes; 700 x 400 (FDMI); M8

Touch

Number of Touches	Real multi-touch up to 20 touches
Touch Method	Finger; Gloves; Stylus (≥ 3 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
Palm Rejection	no
Windows Ink	yes

Embedded Computing

Built-in Applications	File Manager; PDF Viewer; Web Browser
System Version	Android 6.0
Internal Storage	8GB ROM

Available Options

OPS Slot	Intel® Atom, Celeron and Core CPUs Slot-in PCs

Additional Features

Audio	Integrated Speakers (10 W + 10 W)
Shipping Content	1x 180 cm USB Cable; 2 x Stylus; 2x AAA batteries; Cable Clamps; CD-ROM (User Guides/ Manuals); Display; Remote Control; User Manual
Warranty	3 years warranty incl. backlight; optional 4. + 5. year warranty extension [1]
Operating Hours	16/7

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

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