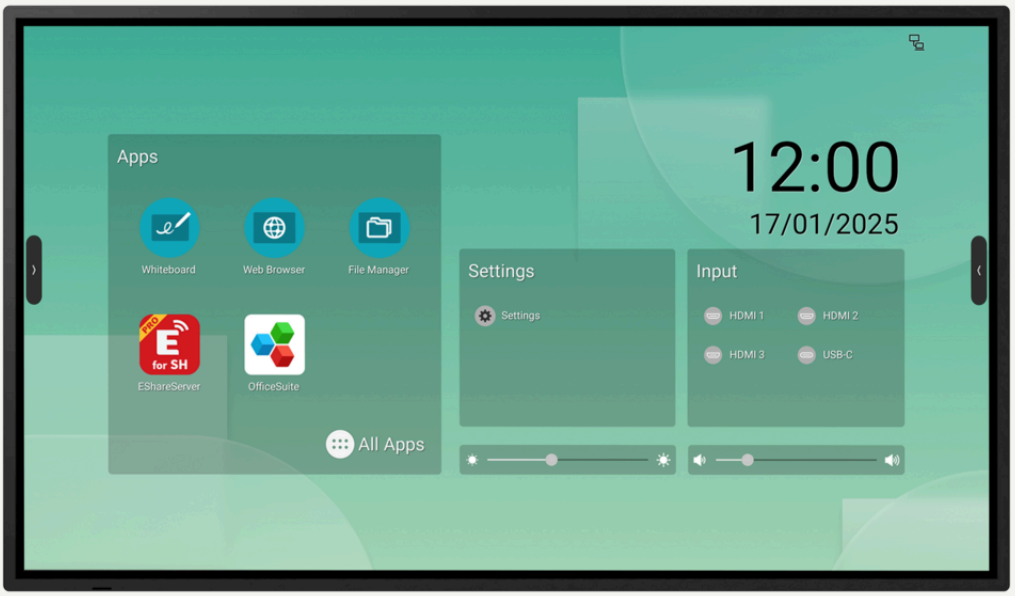
Interactive Display - Infrared Touch

Sharp LM551



Multi-purpose for interactive engagements

- Best readability high brightness panel ensures content is readable even in well-lit environments and anti-glare coating avoids distracting reflections.
- Pen-On-Paper user experience Zero bonded glass and latest infrared touch 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.
- Highly customizable a variety of settings allow the display to be optimised to meet the needs of different applications, from small meeting and huddle rooms to touch signage and wayfinding.
- Safe & Secure latest Android 14 SoC provides a secure operating system which, together with extra security features, meets the highest IT security standards.

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

Speakers and Soundbars

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

Mounting Options

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").

Trolley PD04 Tipster Stylish and flexible mounting system for dedicated Sharp/NEC large format displays
Stylish and flexible mounting system for dedicated Sharp/NEC large format displays.

Wall Mount PDW S 32-65 L Universal wall mount for dedicated Sharp/NEC large format displays (32" to 65")
Universal wall mount for dedicated Sharp/NEC large format displays (32" to 65"). Landscape orientation.

Wall Mount PDW S 32-65 P Universal wall mount for dedicated Sharp/NEC large format displays (32" to 65")
Universal wall mount for dedicated Sharp/NEC large format displays (32" to 65"). Portrait orientation.

Computing Advanced

OPS Slot-in PC Advanced (RPH) OPS slot-in PC (Intel® Core i5) for all high-end signage applications
OPS slot-in PC (Intel® Core i5) for all high-end signage applications.

Video Wall Options

Remote Control Kit - KT-RC3 IR/Remote Control Kit for dedicated Sharp/NEC large format displays
IR/Remote Control Kit for dedicated Sharp/NEC large format displays.

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

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

Sensors

Sharp KTES1 ECO Sensor for dedicated Sharp large format displays
ECO Sensor for dedicated Sharp large format displays.

Computing Enterprise

OPS Slot-in PC Enterprise Ultra (RPH) OPS slot-in PC (Intel® Core i7) for demanding meeting room applications
OPS slot-in PC (Intel® Core i7) for demanding meeting room applications.

OPS Slot-in PC Enterprise Pro (RPH) OPS slot-in PC (Intel® Core i5) for demanding meeting room applications
OPS slot-in PC (Intel® Core i5) for demanding meeting room applications.

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.

Computing Midrange

OPS Slot-in PC Midrange (ADL) OPS slot-in PC (Intel® Core i3) for all high-end signage applications
OPS slot-in PC (Intel® Core i3) for all high-end signage applications.

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

Specifications

General

Series	[sharp-pn-lm-series]
Order Code	PNLM551

Display

Aspect Ratio	16:9
Brightness Without Glass (cd/m²)	500
Colour Depth	1.07 (8bit + FRC)
Contrast Ratio	5000:1
Haze Level (%)	Pro (25)
Panel Refresh Rate (Hz)	60
Panel Technology	VA with Direct LED backlights
Response Time Grey-to-grey (ms)	8
Screen Size (inch)	55
Screen Size (cm)	138.8
Supported Orientation	Tilt (0 - 45°), Landscape, Portrait
Viewing Angle	178 horizontal / 178 vertical (typ. at contrast ratio 10:1)

Touch

Touch Accuracy +/- (mm)	1
Data Interface	USB 2.0 (full speed) HID; USB powered, plug & play
Number of Touches	Real multi-touch up to 20 touches
Writing Features	[windows-ink]
Touch Supported OS	Android, Linux, Mac OS (single touch), Raspberry Pi, Windows
Touch Method	Finger, Gloves
Stylus	Stylus dual pen tip (2.6mm/6.8mm)
Touch Technology	Infrared

Protective Glass

Glass Bonding Gap (mm)	0.85
Glass Thickness (mm)	3.1
Glass Hardness	9
Glass Type	Thermal-tempered, anti-glare coating

Resolution

Native Resolution	3840 x 2160
Supported Resolutions	800 x 600, 1680 x 1050, 1280 x 960, 1024 x 768 , 1280 x 1024, 1280 x 720, 4096 x 2160, 1440 x 900, 640 x 480, 1920 x 1080, 720 x 400, 3840 x 2160

Open Modular Intelligence

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

Sensors

Ambient Light Sensor	optional via Eco Sensor (KTES1)
Human Sensor	optional via Eco Sensor (KTES1)

Electrical

Power Consumption typ. (W)	145
Power Supply	50/60 Hz, 100-240 V AC
Power Savings Mode (W)	< 0.5 (ECO Standby), < 2.0 (Networked Standby)

Environmental Conditions

Operating Humidity (%)	20 to 80
Operating Temperature (°C)	+5 to +35
Storage Humidity (%)	10 to 80
Storage Temperature (°C)	-20 to 60

Connectivity

Audio Output 3.5mm	Audio Output, Line Out
HDMI In 1	Video Input, UHD (60 Hz) HDCP (2.3), Audio Input, CEC
HDMI In 2	Video Input, UHD (60 Hz) HDCP (2.3), Audio Input, CEC
HDMI In 3	Video Input, UHD (60 Hz) HDCP (2.3), Audio Input, CEC, ARC
HDMI Out	Video Output, Audio Output, Internal SoC content: FHD (60 Hz) HDCP (2.3), UHD (60 Hz), Loop Through: HDMI IN 1/2/3, OPS, USB-C, Android SoC
Input Detect	First
LAN 1	100 MBit/s
Remote In (3.5mm)	Eco Sensor (IR-Extender, Ambient and Presence)
RS-232C (bps)	9600
USB-A Service	Wireless Adapter, Service, USB 2.0
USB-A 1	USB (3.0), Peripherals, USB Storage, Auto Switch (Android SoC, OPS, PC)
USB-A 2	USB (3.0), Peripherals, USB Storage, USB (3.0), Auto Switch (Android SoC, OPS, PC)
USB-A 3	Peripherals, USB Storage, Auto Switch (Android SoC, OPS, PC), USB (3.0)
USB-B 1	Touch Signal, USB (3.0)
USB-C 1	Touch Signal, Video Input, UHD (60 Hz), DP alt. 1.4, Audio Input, USB 2.0 / 3.0, 65 W, HDCP (2.3)
USB-C 2	USB 3.0, Peripherals, Auto Switch (Android SoC, OPS, PC), 7.5 W

Mechanical

Bezel Width (mm)	15
Dimensions Width (mm)	1265
Dimensions Height (mm)	736
Dimensions Depth (mm)	73
Packaging Dimensions Width (mm)	1410
Packaging Dimensions Height (mm)	885
Packaging Dimensions Depth (mm)	185
Packaging Weight (kg)	43
VESA Mounting Screw	M6
VESA Mounting FDMI	400 x 400
Weight (kg)	33

Embedded Computing

Android Features	Hide Android SoC, App side loading (Google CTS compliant), Application lock, Portrait support (apps and OSD), Hide side bar
Built-in Applications	File Manager, Web Browser, Whiteboard, Wireless Screen Sharing – Miracast, Airplay & Google cast, EShare , Office and PDF Viewer - MobiOffice
Built-in Tools	Annotation overlay mode
CPU	Arm Cortex A73x4 2.3 GHz, Arm Cortex A53x4 2.0 GHz (octo-core)
Internal Storage	32GB ROM
System Memory	4G RAM
System Version	Android 14

Bluetooth

Bluetooth	5.3 compliant: A2DP; AVRCP; GATT; HID

Wireless LAN

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

Available Software

Free Software Included	EShare, Sharp Pen Software - free download

Regulatory

Pixel Failure Class	ISO 9241-307, Class 1
Safety and Ergonomics	CE, EMC Class B, UKCA, RoHS

Green Features

Ecological Standards	EnergyStar 8.0

3rd Party Certifications

3rd Party Certificate	Q-Sys Plug-in, Tested compatible for Barco ClickShare (Conference)

Additional Features

Audio	Integrated Speakers (2 x 10 W)
Operating Hours	18/7
Remote Management	NaViSet Administrator 2
Security	Disable HW Buttons, Disable IR Functionality, Disable USB and LAN Ports, IEEE802.1X (LAN & Wi-Fi)
Shipping Content	Bracket for Camera, Cable Clamps, Display, Power Cable, Remote Control , Setup Manual, 2 x Passive Stylus, Wireless Adapter, 2 x AAA batteries, Blank Sticker, 1 x 300 cm USB Cable
Special Characteristics	Scheduler
Warranty	3 years warranty incl. backlight, optional 4. + 5. year warranty extension

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