



# Interactive Displays

BIG PADs and Windows collaboration display

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**SHARP**  
Be Original.



# Make meetings come alive.

Meetings work best when everyone is engaged, involved and able to contribute well, but we know that this can be a challenge. Thanks to the simple, intuitive operation of our interactive displays you can focus entirely on your presentation – and your audience.

With great interactivity and outstanding image quality, our interactive displays are made for a variety of environments such as corporate, educational and other specialised applications.

**Whatever you need, Sharp is committed to giving you the solution you require.**

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# Rediscover the art of communication.

A valuable meeting is one where people are energised and engaged – focused on producing great outcomes. The better support everyone gets, the more likely they are to work effectively, without getting distracted.

For this to really work, the technology that people rely on should never get in the way of productivity — there should be no distractions or restrictions. It needs to be as easy to work with as a flipchart and pens, and with all the digital advantages. And by keeping everyone engaged, we like to think of it as the “eyes-up” meeting experience.

Our BIG PADs and Windows collaboration display have been designed to enhance meetings and presentations. Our interactive displays go beyond removing technical distractions; they’re designed to facilitate collaboration. With built-in wireless casting for Windows and Android™ devices, as well as HDMI and USB-C connections, productivity comes naturally. Our models are available in a range of sizes and can be wall-mounted or fixed onto a mobile stand for complete flexibility; allowing you to use your BIG PAD or Windows collaboration display in a variety of professional or simple scenarios.



You can write intuitively on the screen with a pen or your finger – and even rest your hand on it without creating any unwanted marks thanks to our palm-reject technology\*. It’s all part of our promise to offer you a natural Pen-on-Paper® experience

using our interactive displays. As well as this they come with Ultra High Definition, 4K resolution (3840 x 2160), so you can deliver crystal clear content in your meetings with no-fuss — removing the technical distractions and opening the floor to fluid communication.

\*available on selected models only.





# Simply smarter meetings.

Productivity doesn't just depend on the time that we put in, but also on the quality of work we do – using the best possible tools.



## Teamwork made easy

The world's first certified **Windows collaboration display** (PN-CD701) from Sharp is a next generation 4K 70" interactive display that enables better space utilisation and more productive collaboration in meetings, boardrooms, training rooms, technical reviews and almost anywhere else.

As well as using Sharp's award-winning technology, it is certified for Skype for Business and is supported by Microsoft Teams. It also works seamlessly with the best Microsoft 365 tools, so you can connect and collaborate more effectively at room scale\*<sup>1</sup>.

## Walk in, plug in and work together

Setting up the technology needed for a meeting can be very time consuming and frustrating. But you simply 'plug and play' with the Windows collaboration display from Sharp.

Just walk in to a room, plug in your device using the 8m long USB-C cable and it automatically switches to the correct input for whatever information you want to display. So you're instantly ready to start your meeting – saving up to 10 minutes\*<sup>2</sup> time trying to set up connections.

## Better places to meet

Creating a comfortable environment in your meeting rooms pays real dividends in terms of helping people concentrate and improving productivity. The Windows collaboration display from Sharp has in-built IoT sensors that monitor the room's occupancy, temperature, ambient light and air quality. They can connect to the Microsoft Azure Digital Twins IoT platform and other commercially available cloud and subscription services, such as Sharp WorkSpaces, as part of a smart building environment\*<sup>3</sup>.

## Look and work smarter

Imagine a collaborative space where the technology is designed to ensure effortless control and collaboration, but also adds an extra touch of style. That's exactly what you get with the Windows collaboration display from Sharp.



Our Windows collaboration display has won an award for Best New Collaboration Board in the 2019 Best of ISE Awards (rAVE publications) and 2019 Top New Technology (TNT) award for displays. (CE Pro and Commercial Integrator magazines).

\*<sup>1</sup> The mentioned software and services are available as an additional purchase and are not included in shipping with the Windows collaboration display.

\*<sup>2</sup> Total Economic Impact™ Study, Forrester Consulting, February 2016.

\*<sup>3</sup> Sharp WorkSpaces available mid 2020.

# Get an intelligent edge.

Enjoy a smarter way to monitor and improve meeting room usage and conditions.

**Sharp WorkSpaces<sup>\*1</sup>** uses data from the IoT Sensor hub on the Windows collaboration display to create more comfortable and productive meeting and training room environments, while also improving overall facilities management. It automatically detects meeting room usage, monitors ambient conditions and helps optimise the use of space once connected to the analytics of a smart building management system.

## A better place to work

A meeting environment in which everyone is relaxed and physically comfortable can really improve the productivity of group work. Sharp WorkSpaces delivers real-time analysis of the environmental conditions in each room. It continually measures the temperature and relative humidity levels as well as the light and air quality.

So, every time a new meeting or training sessions starts, organisers and participants don't have to worry about adapting the conditions of the room to suit their needs<sup>\*2</sup>. They are automatically optimised to suit the number of people and the type of activities taking place, and reduce costs by avoiding any unnecessary heating or cooling.

<sup>\*1</sup> Available later 2020.

<sup>\*2</sup> This can happen if the Windows collaboration display sensor data is connected to a smart building system, so custom integration may be required.

<sup>\*3</sup> The people counting feature is a future development.

<sup>\*4</sup> Available later 2020.

## Always room for improvement

Using data intelligence captured by room occupancy sensors, Sharp WorkSpaces can actively monitor when meeting rooms are being used and estimate<sup>\*3</sup> how many people are meeting. Once connected to in-house systems, such as a meeting room booking system, you can easily check which rooms are booked, as well as seeing when a meeting room becomes free after a period of time.

In addition, you can allocate the most suitable rooms to use depending on the number of attendees. Sharp WorkSpaces can also help you detect and prevent repeat “phantom” meetings, analyse what type of meetings are taking place and highlight the trends of how often each room is used.

## A flexible & cost-effective solution

Sharp WorkSpaces offers the best performance when running on Microsoft's Azure cloud services, which includes highly secure data encryption. However, if you prefer, you can also use other cloud platforms or even create a premise-based solution using custom-built software.<sup>\*4</sup>

As a Software as a Service (SaaS) solution, Sharp WorkSpaces is also really easy to set-up, provision and use. There's also a 90-day free trial with the purchase of each Windows collaboration display, with the choice of a 1-Year license or monthly subscription. And if you ever need any support it's easily available via the Sharp Hotline.



# Find out which BIG PAD is right for your needs.

BIG PAD is the ideal choice in a wide variety of uses and locations. We've highlighted a few here to show you what we mean.

## Specialised environments such as Architectural or Graphic design

Our **TH5** range of 4K interactive displays are great presentation tools with stunning visual capabilities and seamless operation, whether you're dealing with mission critical or specialist professional environments or applications. Even when two or even three BIG PADs are connected to each other via the multi-board function, your content can be displayed on a canvas up to 5.3 meters in size. Built with 30-point Projected Capacitive (PCAP) touch technology, give your presentation the impact it deserves.

## Corporate offices and meeting rooms

Larger-scale meetings are placing more and more demand on multifunctional hardware — the right choice in these scenarios has a great impression and a lasting impact. Our **TH1** range is developed for multi-tasking and flexible functionality – and it's all delivered in impressive 4K Ultra High Definition. With 20 point InGlass™ touch technology and simultaneous multi-device control, as well as a range of impressive screen sizes, you can enliven your meetings and win over your audience.

## Education, Universities and Training

In any kind of classroom setting, our **HC1** range is the right choice. Used as interactive whiteboards in schools, universities or training centres, they provide an easy-to-use, high-performance and cost-effective solution.

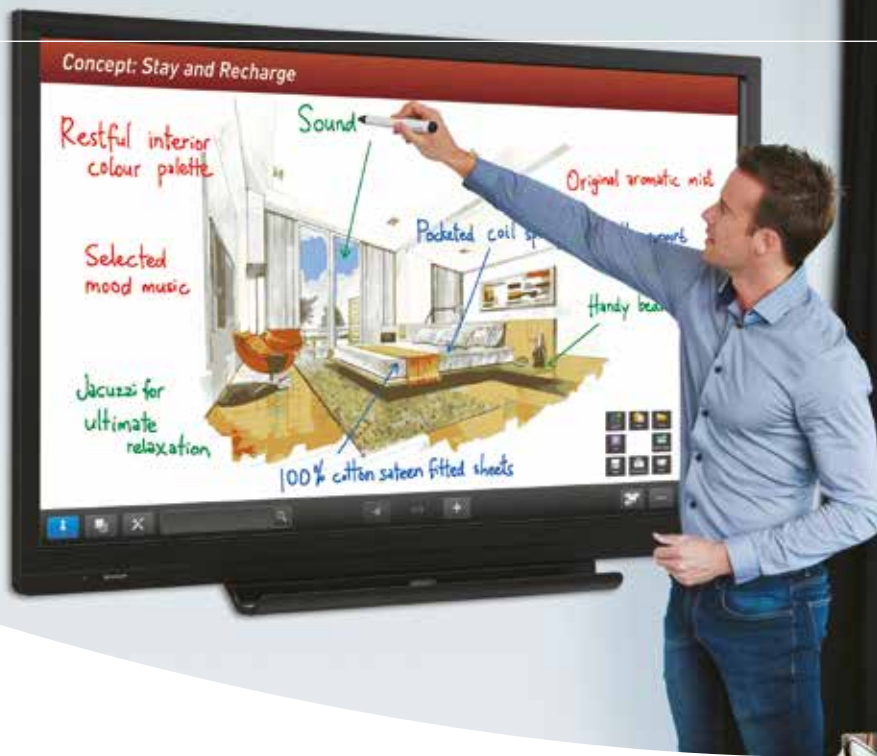
These large-format, interactive monitors can make a huge difference to the way you present information. Their clarity makes presentations more vivid and impactful.

## Huddle spaces and Touch signage

The TC1 range is ideally suited to small work groups. Thanks to Sharp Display Connect, screen content—including handwritten notes and drawings made in real time—can also be viewed and changed on connected mobile devices, such as PCs, tablets and smartphones. Another handy feature is using it as a digital flip chart in portrait format. In addition, the image data (including annotations) displayed on the screen can be stored on a PC or sent directly to a Sharp Multi-functional printer (MFP) for printing using the Sharp Pen Software application.

Our BIG PADs come with standard Sharp Software to help make the most out of your meetings or presentations. It's easy to install and use, and doesn't require any technical expertise. These include **SHARP Pen Software, SHARP Display Connect, SHARP Touch Viewing Software, Multi-Board** feature which is all supported by the SHARP Downloader for easy update and administration. Read further to find out more<sup>\*1</sup>.

<sup>\*1</sup> SHARP Pen Software, Sharp Display Connect, SHARP Touch Viewing Software, Multi-Board is only compatible with certain BIG PAD models.



### SHARP Pen Software

Our pioneering SHARP Pen Software and highly responsive pens, allow several people to write on the same display at the same time, and supports passive and active pens. The passive touch pen just lets you write, whereas the active touch pen opens up more interactive and engaging ways of working.

The SHARP Pen Software also lets you convert handwritten notes into digital documents. Simply write on the BIG PAD with a touch pen, and the software automatically converts your handwriting into digital script.



*Handwriting Recognition*

You can also launch and display the user interface – which is a menu of smartly arranged icons that provide easy access to pen settings and functions. The menus can be browsed easily and are displayed in a floating format that allows them to be moved to anywhere on the display. Plus, in overlay mode you can write on-screen and annotate directly onto photos, videos, PDFs and Microsoft® files. Enhanced functions are available through additional licensing options (PN-SU01).

### SHARP Display Connect<sup>\*1</sup>

SHARP Display Connect supports the integration of Bring Your Own Devices (BYOD) where up to 50 participants can connect their smart devices with a BIG PAD. It enables smart phones, tablets and PCs to exchange data, and through your device you can contribute ideas, control the display or annotate on the on-screen content - including handwritten real-time notes and drawings. SHARP Display Connect facilitates interactive presentations, lively discussions and paperless meetings - and is standard with all BIG PADs. In addition, Sharp Display Connect enables wireless communication, as well as connections from remote locations.

### SHARP Touch Viewing Software<sup>\*1</sup>

Our unique SHARP Touch Viewing Software takes the headache away from working with different files and file types, through a touch-operated on-screen interface that lets you keep your project's office files, videos and web pages in one easy-to-manage location.

Our BIG PADs easily allow you to add and change notes without opening multiple applications. The ability to manage a variety of file types within a single work surface makes group work and discussions far more efficient.

<sup>\*1</sup> SHARP Pen Software, Sharp Display Connect, SHARP Touch Viewing Software, Multi-Board is only compatible with certain BIG PAD models.



### Multi-Board

Sharp's Multi-Board function enables up to three PN-80TH5 / PN-70TH5's interactive displays to be connected and used to create an extended interactive touch surface, allowing meeting participants a better grasp of the overall flow or overview of a data rich presentation.

Great for a single presenter, the Multi-Board function also allows multi-user, multi-touch software applications. That could give you a fully interactive display wall that's up to 5.3 metres long.

The easy to setup and use Multi-Board Driver option offers an interactive experience that's the only one of its kind available today.

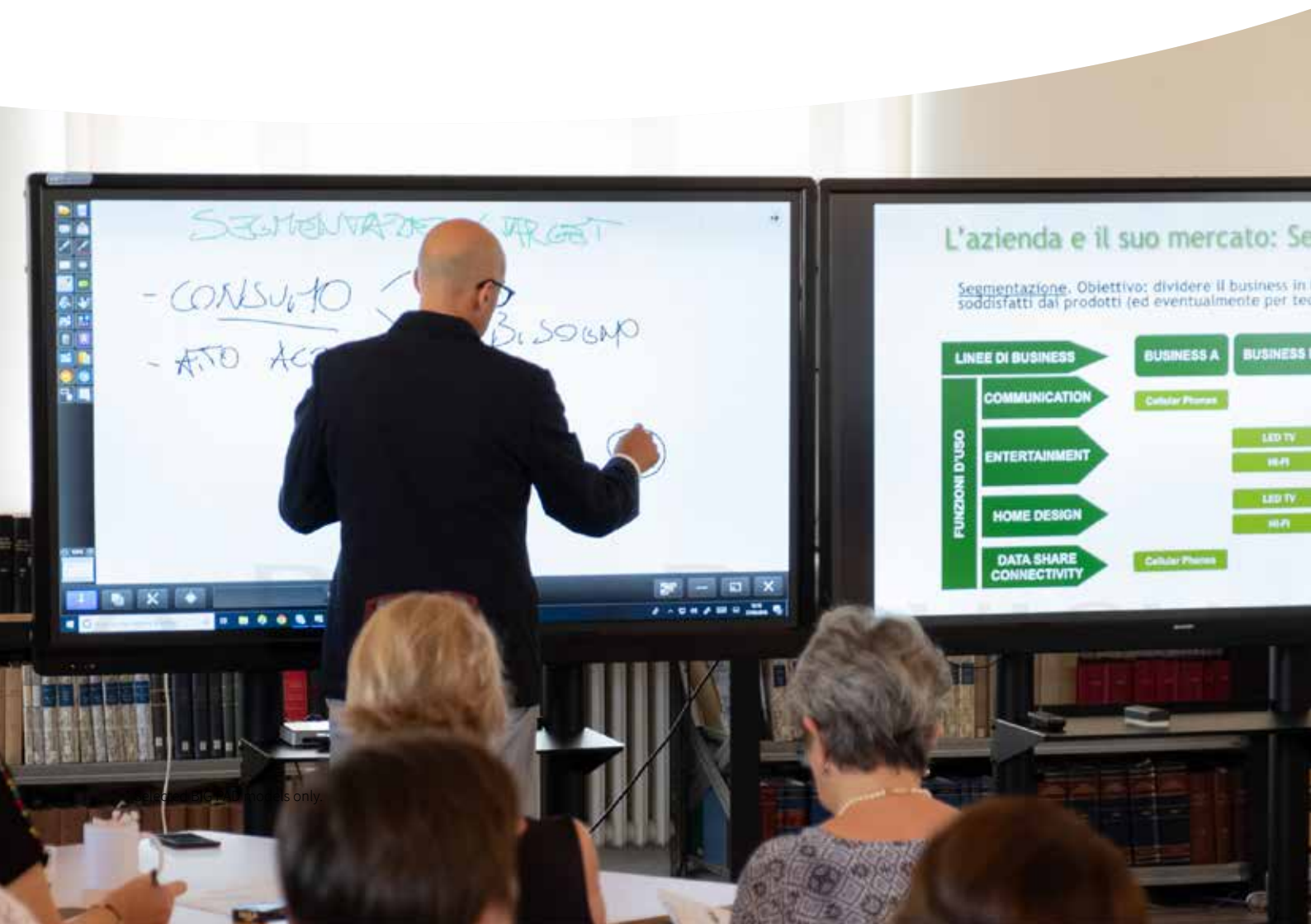
### Open system architecture

With BIG PAD's open architecture, you can work with other applications and third-party hardware easily. There's no restriction and no fuss – just fingertip control for all the information you need.

In addition to the outstanding connectivity, our interactive displays offer the optimal image quality and excellent audio playback; making these displays the perfect choice for your video conferencing needs.

### Connection options

You'll find plenty of physical connectivity options on your BIG PAD too, including two independent USB ports\*. One of these ports can be assigned to a regularly connected PC, for example to a host PC, which is used to operate the interactive display. The other USB port allows a temporary PC connection, without the need to switch the USB cable.





# BIG PADs at a glance.

Whether you are hosting a meeting, are delivering a presentation or whether you are teaching—the interactive display solutions offer effortless collaboration, communication and sharing. Find out which BIG PAD is right for you.

## Key data at a glance

Models	PN-80TH5/ PN-70TH5 80/70"	PN-85TH1/ PN-75TH1/PN-65TH1 85/75/65"	PN-86HC1/PN-75HC1/ PN-70HC1E 86/75/70"	PN-50TC1/ PN-40TC1 50/40"
				
<b>Applications</b>	Specialised environments, Conference rooms, e.g. Boardrooms, Universities, Control rooms	Corporate offices, Conference rooms, Boardrooms Meeting rooms	Education, Training Rooms, Meeting Rooms	Huddle Rooms, Wayfinding
Installation	Portrait, Landscape Face-up	Portrait, Landscape, 45° backwards tilt	Landscape	Portrait, Landscape, Face-up
Screen Diagonal (cm)	204,4/176,7	203,2	163,9	125,7/100,3
Duty Cycle	24/7	16/7	16/7	16/7
'Out of the Box'-Whiteboard	+	✓	✓	+
Mini OPS-Slot	✓	✓	OPS (not Mini OPS)	✓
Touch Technology	Capacitive	InGlass™	Infrared	Capacitive
Touch Sampling (HZ)	220	125	125	125
Active Pen / Passive Pen	1 x Standard / Option	No / 1 x Standard	No / 1 x Standard	No / 1 x Standard
Touch Pen-Software	✓	✓	✓	✓
Touch Pen Pressure Sensor	✓	✗	✗	✗
Touch Pen-Overlay	✓	✓	✓	✓
Touch Pen Driver	✓	✗	✗	✗
Multi-Touch	30 Points	20 Points	HC1: 20 Points/ HC1E: 10 Points	10 Points
Sharp Display Connect (BYOD)	✓	✓	✗	✓
Touch Viewing-Software	✓	✓	✗	✓
Multi-Board Function	✓	✗	✗	✗
Web-Conference Compatible	✓	✓	✓	✓
Wireless	+	✓	✓	+
Android Controller™	✗	✓	✓	✗

# Visibly better collaboration.

## Interactive displays, ideal for a range of specialist environments.

When you are working on architectural plans or reviewing detailed graphic designs, the (80") **PN-80TH5** / (70") **PN-70TH5** flagship BIG PADs from Sharp will be a real boost to any working environment, bringing collaboration and presentation to life. Content can even be displayed on a canvas up to 5.3 metres in size, giving your presentation the impact it deserves.



From mission critical or specialist professional environments and applications, the 4K 3840 x 2160 UHD displays with 30-point capacitive touch, offer the kind of seamless

operation and rewarding experience that inspires confidence, trust, collaboration and effective decision making when used as a single display or as a Multi-board set-up.

What do you expect from a great presentation tool? We think it should have stunning visual capabilities and first-rate user experience. And that's precisely what you get from our flagship 4K BIG PADs. They're packed full of features designed to help you transform a traditional meeting into a vibrant, valuable discussion.

### Hands-on collaborative working where it really counts

With genuine 4K reading and writing and intuitive Pen-on-Paper user experience, BIG PAD offers a fantastic eyes-up group engagement. Not only will they help you create and deliver great presentations, but also give the visible detail vital to specialists working in medical diagnostics, engineering, scientific and detailed design work.

Also, the PN-80TH5 / PN-70TH5 BIG PADs can emulate the Digital Imaging and Communications in Medicine (DICOM) standard for storing and transmitting medical images. The PN-80TH5 / PN-70TH5 BIG PADs are not only ready to be used by medical professionals, but offer all the assurances needed by clinicians who need to review and trust the images they are working from.

### Flexibility and control

The four-button active pen that comes with these BIG PADs is designed to be as ergonomic as possible. Its 2mm tip allows you to write on-screen in fine detail. A simple button click can instantly trigger a menu of options, including the erase mode, giving you the ideal blend of flexibility and control.

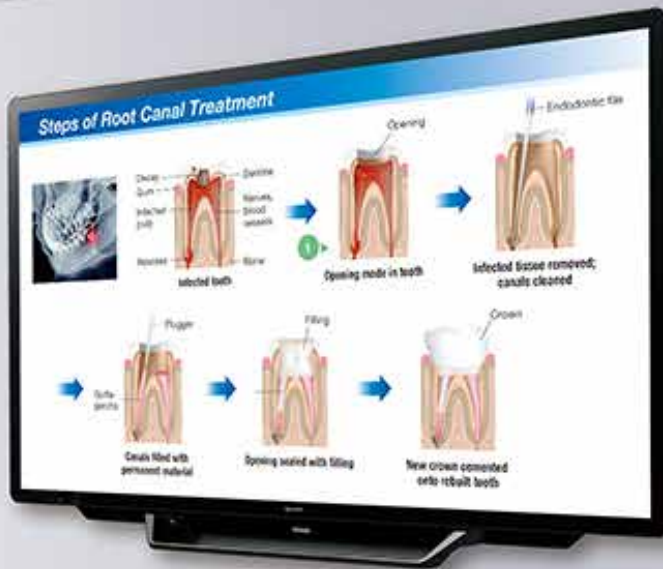
The 4K BIG PADs can even discriminate between false touch and intended one. So, you can rest your hand on the screen safely while making notes safe in the knowledge our palm-reject firmware won't let unintentional marks get in your way.

### Target environments

- Specialised environments
- Corporate offices
- Boardrooms
- Meeting rooms
- Conference rooms
- Universities
- Control rooms
- Healthcare



Our PN-70TH5 won an award for **Best New Collaboration Board** in the 2018 Best of ISE Awards. rAVE publications.







# Responsive, intuitive and seamless collaboration.

Imagine the ideal corporate setting or meeting room appointment.

## The BIG PAD for professionals

The (85") **PN-85TH1**, (75") **PN-75TH1**, (65") **PN-65TH1** BIG PADs are built with interactivity in mind. With powerful interactive technology and 3840 x 2160 Ultra High Definition (UHD) 4K resolution, it's ideal for multiple corporate applications, especially in boardrooms.

InGlass™ touch technology makes writing on the PN-TH1 BIG PADs feel like a real pen on paper — and it's just as smooth and responsive. Choose the comfort of the Sharp pen — in either thick 4mm or thin 2mm tips — or leave the pen on the table and just use your finger.

The PN-TH1 BIG PADs remove technological complexity and has been designed to encourage creativity, productivity and fluid decision making.

With its fully flat 4K screen and ultra slim bezel, the PN-TH1 looks stylish anywhere and its embedded collaborative tools and applications allow interactivity to flourish. With the integrated Android Player technology, you can contribute to brainstorming via your own device, screen sharing wirelessly or collaborating through the on-board Whiteboard app. This display is great when used as a single display or as a Multi-Board set-up.

## Target environments

- Corporate offices
- Conference rooms
- Boardrooms
- Meeting rooms
- Universities
- Control rooms

# Enhance learning with better collaboration.

Deliver your best in any school, university or training environment.

## Seamless, intuitive and designed for sharing

The (86") **PN-86HC1**, (75") **PN-75HC1** and (70") **PN-70HC1E** BIG PADs feature large, ultra-clear 4K screens, allowing for easy reading and presenting of data or for exploring technical information like architectural drawings in impressive detail. With pen-on-paper design, highlighting and annotating is easy and intuitive – whether you are using the passive pen stylus or just your finger. Perfect for exchanging ideas during fast moving discussions or interactive training sessions, the PN-86HC1, PN-75HC1 and PN-70HC1E takes the technological challenge out of training –and allows you to deliver impactful tuition.

## One-touch controlled display

No more rustling through papers for the remote — with the simple Touch OSD (On Screen Display) you can start your session and navigate frequently used functions without delay. From adjusting volume to input channels, you can even freeze and un-freeze an onscreen image with the press of a button.

## Wireless sharing

Integrated collaboration applications allow wireless sharing from connected devices, as well as easy brainstorming through the on-board whiteboard app.

## Target environments

- Training rooms
- Education



# A fast and accurate tool for teams that collaborate.

Huddle spaces for when you need a quick solution for those impromptu discussions

## The smaller BIG PADs

The (50") **PN-50TC1** and (40") **PN-40TC1** are the industry-leading BIG PAD models to serve the exciting demand for Huddle meeting spaces. They offer responsive PCAP point touch technology and seamless, direct and easy interaction with mobile devices for BYOD collaboration via the optional PN-ZB03W Mini-OPS module.

## Ready for anything

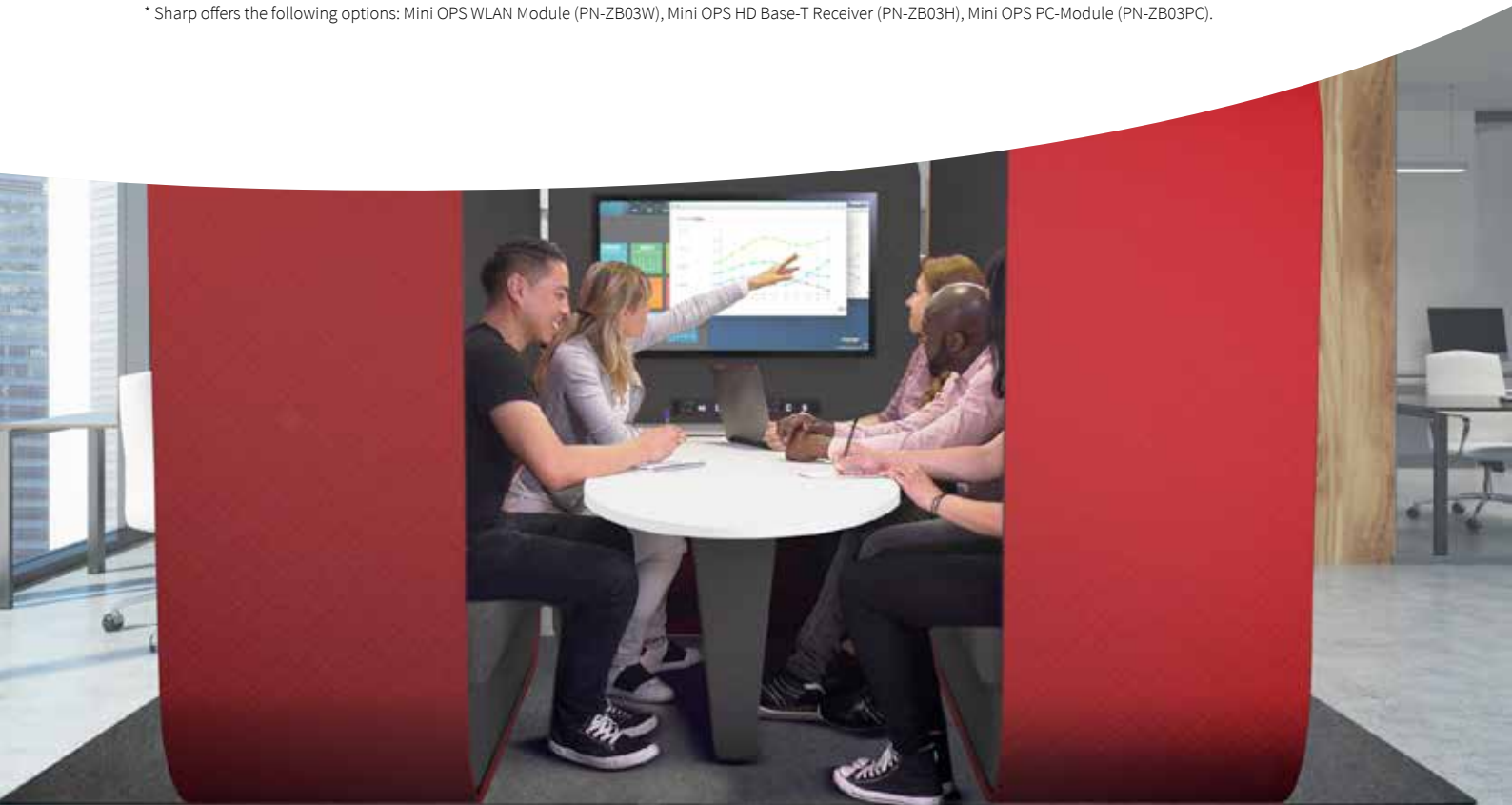
The versatile Huddle space displays are the perfect solution for brainstorming sessions, business meetings and training courses for small groups. You can even use the interactive displays as a flip chart or an elegant digital pinboard. Import, display and annotate data and save your notes for later use. For video conferences and video collaboration, a web cam mount can be conveniently located at the top of the device, making fast, productive teamwork a reality.

In addition to standard system interfaces (such as HDMI™ and DisplayPort™ 1.2), the PN-50TC1/PN-40TC1 have a Mini OPS (Intel® Mini Open Pluggable Specification) compatible expansion slot\*

## Target environments

- Huddle spaces
- Coaching/training
- Wayfinding

\* Sharp offers the following options: Mini OPS WLAN Module (PN-ZB03W), Mini OPS HD Base-T Receiver (PN-ZB03H), Mini OPS PC-Module (PN-ZB03PC).





# Accessories for our interactive displays.

## Peerless Flat Panel Mobile Stand

The Peerless Mobile Stand offers the most complete flexible mobile solution for BIG PAD. The durable 4" (102mm) swivel wheels make BIG PAD manoeuvrable. And once in place the two locking wheels ensure complete stability. The Peerless Stand can also be adjusted to suit your desired height.



L20PNSR780MEU

## Peerless Universal Flat Wall Mount

The Peerless Universal Flat Wall Mount series offers the most versatile installation features and mounting options. Horizontal and vertical adjustment allows for post installation levelling and side-to-side positioning, making it easier than ever to find the perfect display position. The low-profile design offers a sleek, aesthetically pleasing look to fit in with any décor. Security screws provided in the mounting system deter tampering or theft. The open wall plate design offers total wall access, increasing the electrical and cable management options. The display can simply be installed with adaptors hooking onto the wall plate for an overall quick, simple, and secure installation.



L20PNWALL90EU

## Active Pens

With powerful, ergonomic performance, the Active pens sit snugly in the hand, providing ease-of-use all the time. They also give the presenter fast intuitive access to annotation options or pre-set configurations via the smart micro-switches built into the pen.



PN-ZL06

## Sharp's Mini-OPS

Sharp is proud to include the smaller modern OPS (Open Pluggable Specifications) format for feature extension of our displays. The Mini-OPS format builds on the existing OPS Format and expands the range of OPS devices for professional displays. Featuring the latest Intel 6th generation processors, the Mini-OPS format is future-proof and allows for faster ROI, reduced energy costs and its fanless architecture offers more reliability with zero operating noise.



PN-ZB03PC  
Mini-OPS PC Module



PN-ZB03W  
Mini-OPS Wireless Module



PN-ZB03H  
Mini-OPS HDBaseT Receiver

# Specifications

Model	Windows collaboration display - PN-CD701 70"		PN-80TH5/PN-70TH5 80/70"	PN-85TH1/PN-75TH1/ PN-65TH1 85/75/65"	PN-86HC1/PN-75HC1/ PN-70HC1E 86/75/70"	PN-50TC1/PN-40TC1 50/40"
Installation **		Landscape	Landscape / Portrait / Face-up	Portrait/Landscape	Landscape	Landscape / Portrait / Face-up
LCD screen		70-inch 176.6 cm diagonal UV <sup>2</sup> A <sup>1</sup> LCD	80/70 inch 204.4 cm/176.6 cm diagonal, UV <sup>2</sup> A <sup>1</sup> LCD	80 inch 203.2 cm diagonal, UV <sup>2</sup> A <sup>1</sup> LCD	80/70/60 inch 203.2 cm / 176.6 cm/152.7 cm diagonal, UV <sup>2</sup> A <sup>1</sup> LCD	50/40 inch 125.7 cm /100.33 cm diagonal, TFT LCD
	Max. resolution	3,840 x 2,160 pixels				1,920 x 1,080
	Max. Display Colours (approx.)	1.06 billion colours				16.77 million colours
	Pixel spacing (H x V)	0.401 x 0.401 mm	0.462 x 0.462 mm/ 0.401 x 0.401 mm	0.923 x 0.923 mm	0.923 x 0.923 mm/ 0.802 x 0.802 mm/ 0.693 x 0.693 mm	0.571 x 0.571 mm/ 0.45735 x 0.4494 mm
	Max. Brightness (σ) <sup>3</sup>	350 cd/m <sup>2</sup>	300 cd/m <sup>2</sup>	350 cd/m <sup>2</sup>		400 cd/m <sup>2</sup> / 300cd/m <sup>2</sup>
	Contrast ratio	4,000 : 1				5,000 : 1
	Viewing angle (H/V)	176°/176° (CR <sup>2</sup> ≥10)				178° / 178° (CR <sup>2</sup> ≥10)
	Active display area (B x H, about)	1538.9 x 865.6	1771.2 x 996.3 mm/ 1538.9 x 865.6 mm	1,771.2 x 996.3 mm	1,771.2 x 996.3 mm/ 1,538.9 x 865.6 mm/ 1,330.6 x 748.4 mm	1,095.8 x 616.4 mm/ 878.1 x 485.3 mm
	Response Time	6 ms (grey to grey, avg.)			4 ms (grey to grey, avg.)	9.5 ms (grey to grey, avg.)
Backlight	W-LED, edge lit	LED, edge lit			LED, direct lit/ LED, edge lit/ LED, edge lit	
Touchscreen	Touch Technology	Projected Capacitive (PCAP) touch			InGlass™	Projected Capacitive (PCAP) touch
	PC port	USB (2.0) Type B x1, USB Type C x2	USB (2.0 compliant) (Type B) x 2	USB 2.0 (Type B) x 2		USB (2.0 compliant) (Type B) x 1
	Multi-Touch	10 points	30 points	20 points	HC1: 20 points /HC1E: 10 points	10 points
	Protective glass	Thickness: approx. 1.9 mm <sup>4</sup> Shock resistance: 130 cm <sup>4</sup>	Thickness: approx. 1.9 mm <sup>4</sup> Shock resistance: 130 cm <sup>4</sup>	Thickness: approx. 3.8 mm <sup>4</sup> Shock resistance: 130 cm <sup>4</sup>	Thickness: Approx. 3.1 mm <sup>4</sup> Shock resistance: 130 cm <sup>4</sup>	Thickness: approx. 3.2 mm <sup>4</sup> Shock resistance: 130 cm <sup>4</sup> Thickness: approx. 2.5 mm <sup>4</sup> Shock resistance: 130 cm <sup>4</sup>
Touch Pen	Communication	N/A (Passive pen)	Wireless transmission method			
	Function keys	N/A (Passive pen)	Yes			
Controller		Android (CPU, Memory, Storage, I/F, LAN, Bluetooth)	-			
Computer input	Video	HDMI x 1, USB Type C (DP Alt Mode) x2	Analogue RGB (0.7 Vp-p [75Ω], HDMI™, DisplayPort™ 1.2a	Analogue RGB (0.7 Vp-p), [75 Ω], HDMI™, DisplayPort™	Analogue RGB (0.7 Vp-p), [75 Ω], HDMI™	Analogue RGB (0.7 Vp-p), [75 Ω], HDMI™, DisplayPort™
	Plug & Play	VESA DDC2B				
Inputs*		HDMI (HDCP) x1, USB-C x2	Mini Dsub 15-pin x1, HDMI(HDCP) x3, DisplayPort (HDCP) x2, 3.5mm mini stereo jack x1, RS-232C x1	Mini Dsub 15-pin x2, HDMI(HDCP) x2, DisplayPort (HDCP) x1, 3.5mm mini stereo jack x1, RS-232C x1	Mini Dsub 15-pin x1, HDMI(HDCP) x2, 3.5mm mini stereo jack x1, RS-232C x1	Mini Dsub 15-pin x1, HDMI(HDCP) x2, DisplayPort (HDCP) x1, 3.5mm mini stereo jack x1, RS-232C x1
Outputs*		1x USB-C, 1x 3.5mm setero mini jack	3.5mm stereo mini jack x 1, DisplayPort (HDCP compatible) x 1			3.5 mm-diameter mini stereo jack x 1
Network		LAN port (10Base-T / 100Base-TX) x2	LAN port (10Base-T / 100Base-TX) x 1			LAN port (10Base-T / 100Base-TX) x 1
Speaker output	Built-in External	12W + 12W	10W + 10W			
Mounting/holding			10W + 10W (6 Ω)	-		
		VESA (4 points), 400 x 400 mm spacing, M6 screw	VESA (4 points), 600 x 400 mm spacing, M6 screw/ VESA (4 points), 400 x 400 mm spacing, M6 screw	VESA (4 points), 600 x 400 mm spacing, M6 screw	VESA (4 points), 600 x 400 mm M6 screw/ 400 x 400/ VESA (4 points), 400 x 200	VESA (4 points), 200 x 200 mm, M6 screw
Power supply		100 V – 240 V AC, 50/60 Hz				
Power consumption		370W	325 W/215 W	280 W	135 W/200 W/270 W	89 W
Environmental conditions	Operating temperature	5 °C to 35 °C				
	Humidity (in operation)	20% to 80% RH (no condensation)				
Dimensions (B x T x H, approx)		1,623.6 x 90 x 976.4 mm	1,863 x 98 x 1,090 mm 1,612.5 x 92.5 x 941.4 mm	1,863 x 98 x 1,090 mm / 1,612.5 x 92.5 x 941.4 mm	1,882 x 127 x 1,139 mm/ 1,635 x 96 x 998 mm / 1,422 x 96 x 877 mm	1,151 x 68.5 x 686 mm/ 939 x 65 x 546 mm
Weight (approx)		65 kg	73 kg/57 kg	77 kg	79 kg/62kg/43 kg	28 kg/17.5 kg
Main Accessories		"AC power cord, set-up manual, USB Type C (DP Alt Mode) cable (8.0 m), passive touch pen, HDMI cable, USB touchback cable"	AC power cord, remote control unit, remote control unit battery (AAA size) x 2, set-up manual, cable clamp (insertion type) x 4, cable clamp x 3, USB cable, USB extension cable, RS-232C conversion cable, eraser, pen tray, touch pen, touch pen adapter, touch pen adapter screw, touch pen battery (AAA size), pen tip x 2, speaker cover x 2, camera mount, camera screw, speaker cover attachment screw/camera mount screw x 6, CD-ROM, SHARP Display Connect license, vertical sticker, blank sticker			Power cord, remote control unit, battery (AAA size) x 2, set-up manual, cable clamp x 3, camera mount, USB cable", logo sticker, pen tray, touch pen, CD-ROM, portrait installation operation label, desktop stand, SHARP Display Connect license x 1
Unified Communication		Camera, 4K sensor, Microphone	-			



\*1 UV2A stands for "Ultraviolet-induced Multi-domain Vertical Alignment", a photo orientation technology that ensures uniform alignment of liquid crystal molecules. \*2 Maximum colours of LCD panel. The number of colours that can be displayed simultaneously is 16.77 million arbitrary colours out of 1.07 billion colours. \*3 The brightness depends on the input mode and other picture settings. The brightness is slightly reduced during the lifespan of the product. Due to the physical limitations of the device it is not possible to maintain an exactly constant brightness. \*4 Approximate distance at which the glass pane can withstand the impact of a 500 gram iron ball that is dropped on its centre. \*5 Including AG foil on the front and AR film on the back. \*6 Use a commercially available connecting cord for PC and other video connections. \*7 Please use only this USB cable and no other. If connected via a USB hub, a PC may not recognise the BIG PAD correctly and operation may be unstable. \*8 There are restrictions on the tiltable angles and other installation conditions. For details, please consult with your local authorised Sharp dealer or representative.

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