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BIG PAD
PN-40TC1
Interactive Display Solution

Huddle spaces need speed and ease of use /This is Why the PN-40TC1 BIG PAD supports effective collaboration.

A BIG PAD INTERACTIVE DISPLAY DESIGNED FOR HUDDLE SPACES AND WORKGROUPS OF 2-6 WHO NEED FAST, COLLABORATIVE TOOLS.

Full HD resolution, leading PCAP touchscreen responsiveness, and Mini OPS connectivity give Sharp's compact BIG PAD PN-40TC1 interactive display a winning combination of speed and flexible performance to support huddles, meetings, and collaborative working.

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Team meetings need to be effective. /This is Why our compact BIG PAD gets to work quickly.

A fast and accurate tool for teams that collaborate

Speedy setup and efficient operation are always on offer with the BIG PAD PN-40TC1. This is especially important to users working together in close proximity such as small huddle spaces and helps to foster more effective meetings.

Getting the most of your meetings is easy with full HD video resolution and the extremely accurate, sensitive, and responsive touchscreen technology offered by BIG PAD. Called Projected Capacitive Touch (PCAP), it is the best available touchscreen technology and offers an incredibly smooth and precise 10-point multi-touch experience. You can write, draw and annotate directly onto the screen using either your finger or the 2mm tip touch pen included, which allows users to draw fine lines and text accurately.

Easily expanded, modular functionality

With a Mini Open Pluggable Specification (Mini OPS) port for optional, slot in expansion boards, the BIG PAD PN-40TC1 offers three ways to enhance your huddle meetings even further:

PN-ZB03PC Mini OPS PC – A powerful single-board PC option with 2x USB3.0 interfaces and a high-quality solid state design for continuous quiet and reliable use. It runs MS Windows 10 OS and common PC applications needed for meetings with a compact and uncluttered installation.

PN-ZB03W Mini OPS Wireless – This option enables all huddle meeting participants to have cable free, wireless connection of mobile BYOD (Bring Your Own Device) technology such as smartphones, tablets and PCs for greater productivity and a compact uncluttered installation. Fast wireless screen sharing of up to four devices with a 2x2 screen split is possible. The PN-ZB03W also offers instant-on Direct Drawing for true white-boarding collaboration on the PN-40TC1.

PN-ZB03H Mini OPS HDBaseT Receiver – This option enables transmission of HDMI video (up to 4K ultra-high definition) and other signals over 100m distance via Cat6 LAN cable directly to the display without power supplies or other external devices for a compact and uncluttered installation. This particular solution is great for touchscreen retail signage applications, where the source content PC is placed some distance away.

You need flexibility and control /This is Why the PN-40TC1 makes sharing information fast and simple.

Functionality meets flexibility

The PN-40TC1's 1920 x 1080 full HD display resolution brings images and presentations to life in high-quality detail; delicate lines, fine text, and images are displayed in absolute clarity. Our fingerprint resistant anti-glare glass keeps both the content and the display looking good. It also maximises impact and visibility for all participants.

Flexibility is another of our most important considerations. This is why the PN-40TC1 supports both conventional portrait and landscape oriented installations. It is also possible to mount the screen flat, face-up, creating even more huddle meeting room versatility and opening up the possibility of using the BIG PAD as part of an interactive table.

Versatility and dependability

With its natural home in busy offices and meeting rooms, the PN-40TC1 has been built to be reliable for continuous sustained 16-hour use daily.

There is an integrated webcam mount for added versatility and a freestanding desktop stand for even greater installation flexibility.

It is also a great solution for the retail and hospitality sectors, where it can be used not only for meetings, but as a resource for customer service personnel, guides, or by other front-of-house staff.

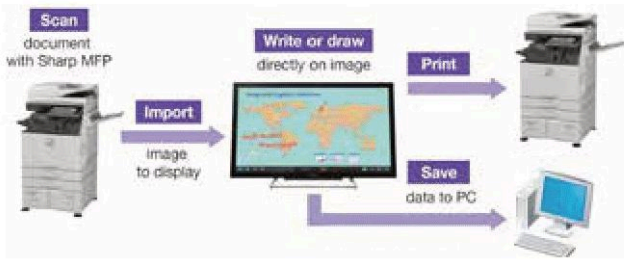
Sharing content from your meetings

The Sharp Pen Software intuitive user interface means huddle meeting participants have easy access to a range of additional features. In overlay mode, users can write on-screen annotations or graphics directly onto photos, videos, PDFs, and common Microsoft® document types. These additions can be stored in USB memory or sent via email. The software also links with Microsoft PowerPoint®, facilitating more interactive slideshow presentations.

With SHARP DISPLAY Connect, on-screen content, including handwritten notes, can be shared simultaneously with up to 50 devices bringing the content of your sessions to larger numbers of people.

You may also want to share the finished outputs of your huddles. There are three ways to that too:

- scanned documents can be directly imported to Sharp Pen Software from a compatible Sharp MFP (Multi-Function Printer) and displayed on the PN-40TC1 display;
- content can be sent and saved to a connected PC
- or, content can be printed on a connected MFP.



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Specifications

Model		PN-40TC1
Installation		Landscape / Portrait / Face-up
LCD Panel		40-inch-class widescreen (39 1/2-inch [100.33 cm] diagonal) TFT LCD
	Max. Resolution	1,920 x 1,080 pixels
	Max. Display Colours (approx.)	16.77 million colours
	Pixel Pitch (H x V)	0.45735 x 0.4494 mm
	Max. Brightness (average)*1	300 cd/m²
	Contrast Ratio	5,000 : 1
	Viewing Angle (H/V)	178°/178° (CR≧10)
	Active Screen Area (W x H) (approx.)	878.1 x 485.3 mm (34 9/16" x 19 3/32")
	Response Time	9.5 ms (grey to grey, avg.)
	Backlight	LED, edge lit
Touchscreen	**Touch Technology**	Projected Capacitive Touch
	PC Connection Port	USB (2.0 compliant) (Type B) x 1
	Power Supply	Supplied from main unit
	Multi Touch	10 points
	Protection Glass	Shock resistance: 130 cm*2
Computer Input	**Video**	Analogue RGB (0.7 Vp-p) [750], HDMI, DisplayPort
	Synchronisation	Horizontal/vertical separation (TTL: positive/negative)
	Plug & Play	VESA DDC2B
	Power Management	VESA DPMS
Input Terminals*3		PC analogue: Mini D-sub 15-pin x 1, HDMI x 2 (HDCP and 1080p compatible, PC/AV signal compatible), DisplayPort (HDCP compatible, PC signal compatible) x 1
Output Terminals*3		3.5 mm-diameter mini stereo jack x 1
Input/Output Terminals*3		LAN port (10Base-T/100Base-TX) x 1
USB Hub Function		USB 2.0 (Type A) x 2
Speaker Output		10 W + 10 W
Mounting		VESA (4 points), 200 x 200 mm, M6 screw
Power Supply		100V – 240V AC, 50/60 Hz*4
Power Consumption		89W
Environmental Conditions	**Operating Temperature***5	5°C to 35°C
	Operating Humidity	20% to 80% RH (no condensation)
Dimensions (W x D x H) (approx.) (display only)		939 x 65 x 546 mm (36 15/16" x 2 9/16" x 21 1/2")
Weight (approx.)		17.5 kg (38.6 lbs)
Main Accessories		AC power cord, remote control unit, battery (AAA size) x 2, set-up manual, cable clamp x 3, camera mount, USB cable*6, logo sticker, pen tray, touch pen, CD-ROM, portrait installation operation label, desktop stand, SHARP Display Connect license x 1

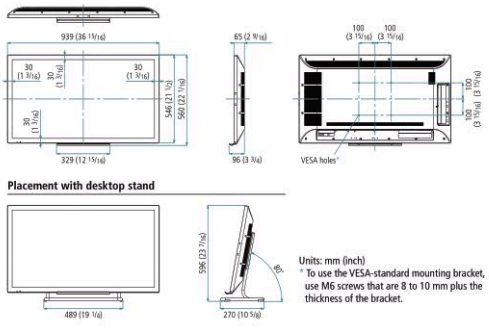
System Requirements	
PC	PC/AT compatible machine with USB 2.0 port and screen resolution of 1,920 x 1,080 (CD-ROM drive required for installation)
CPU	Intel® Celeron® 1.6GHz, or AMD Sempron™ 1.6GHz or higher (Intel® Core™ 2 Duo 2.8GHz, or AMD Athlon™ II x 2 2.8 GHz or higher recommended)
OS	Windows® 7 (32-bit/64-bit), Windows® 8.1 (32-bit/64-bit), Windows® 10 (32-bit/64-bit)
Memory	2GB or more
Hard disk	200MB or more free space (additional space required for data storage)

PN-ZB03W Wireless Board Option	
Maximum resolution	1,920 x 1,080 (30 Hz)
Wireless communication	2.4 GHz, IEEE802.11b/g/n 5 GHz, IEEE802.11a/n
Input/output terminals	LAN x 1 (10Base-T/100Base-TX), USB x 1 (USB 2.0), Wireless adapter x 1 (USB 2.0)
Power supply	From the monitor

PN-ZB03H HDBaseT Receiver Board Option	
Supported standard	HDBaseT 2.0
Maximum resolution	4,096 x 2,160 (30 Hz)
Copy protection	HDCP pass-through
Transmission distance	Up to 328 feet / 100 m
Input/output terminals	HDBaseT x 1, LAN x 1 (10Base-T/100Base-TX), USB x 1 (USB 2.0)
Power supply	From the monitor

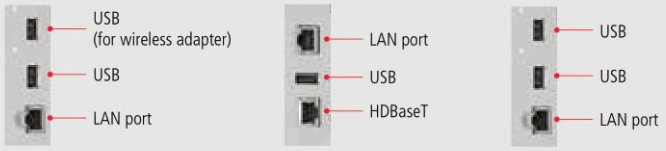
PN-ZB03PC PC Board Option	
OS	Windows 10 IoT Enterprise 2015 LTSB (64 bit)
CPU	Intel Celeron N3160 Processor 1.6GHz
Main memory	4 GB
Storage	SSD 64GB

Dimensions



Units: mm (inch)
* To use the VESA-standard mounting bracket, use M6 screws that are 8 to 10 mm plus the thickness of the bracket.

[Mini OPS options]



Notes

*1 Brightness depends on input mode and other picture settings. Brightness level will decrease slightly over the lifetime of the product. Due to the physical limitations of the equipment, it is not possible to maintain a precisely constant level of brightness. 300 cd/m² is the brightness of the LCD panel component. The brightness of the product itself may be less than this. *2 Approximate distance at which the glass panel can withstand the impact of a 500-gram iron ball dropped on its centre. *3 Use a commercially available connection cable for PC and other video connections. *4 The AC power cord is an inlet type. The cable is bundled (3 pins). *5 For face-up installation is 5°C to 30°C. *6 Please use only this USB cable and no other. If connected via a USB hub, a PC may not recognise the PN-40TC1 correctly and operation may be unstable. All information was correct at time of print. Microsoft, Windows, PowerPoint, and Excel are either registered trademarks or trademarks of Microsoft Corporation in the US and/or other countries. Mac is a trademark of Apple Inc., registered in the US and other countries. HDBaseT and the HDBaseT Alliance logo are trademarks of the HDBaseT Alliance. DisplayPort is a trademark owned by the Video Electronics Standards Association in the US and other countries. The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc. in the United States and other countries. Intel, Intel Core, and Celeron are trademarks of Intel Corporation in the US and/or other countries. Sempron and Athlon are trademarks of Advanced Micro Devices, Inc. Crestron Connected is a trademark of Crestron Electronics, Inc. All other brand names and product names may be trademarks or registered trademarks of their respective owners. All screen images appearing in this brochure are simulated. Design and specifications are subject to change without prior notice. © Sharp Corporation. April 2017. Ref PN-40TC1 Brochure 4pp (18193).

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