Product Information Sheet

P484-SST - LCD 48" Large Format Touch Display

Your Teammate for Self-Service Kiosks and POS Applications

For users of self-service kiosks, a positive user experience is essential in order to maintain customer satisfaction and loyalty. An intuitive and userfriendly touch behaviour is crucial to eliminate frustration and allow the user to concentrate on the buying process and not on the technology.

The 48" P484 SST 10-point-touch display intelligently ignores accidental touches yet provides accurate and reliable touch performance even in high ambient light to facilitate an eye-pleasing buying experience. The Open Modular Intelligence (OMI) approach provides tailor-made Interactive Solutions, where scalable computing power such as Raspberry Pi compute modules or OPS Slot-in PCs are seamlessly embedded into the display.

For self-service and POS applications, NEC's P484 SST perfectly serves your end customers whilst increasing your ROI and securing your investment into a brighter future.

Benefits

- **ShadowSense Touch Technology** – market-leading touch performance for speed and accuracy, that is immune to ambient light and provides advanced features such as object size and shape recognition, palm rejection, touch size and speed control, hover distance control, and liquid rejection on the touch surface.
- **Avoid Touch Frustration** – satisfy users with the highest touch point accuracy, filtering out misleading touch-sizes and avoiding ghost touches even in high ambient light operation.
- **Seamless Touch Integration** – work hand-in-hand with multi-touch applications while using the 10 touch points of ShadowSense™ touch technology in real-time collaboration.
- **Simple Plug & Play** – easy set-up without the need to install any drivers on the host PC for all major operating systems.
- **Superb readability in bright light environments** – crisp playback of content thanks to high brightness output of 700 cd/m² and anti-reflective screen surface delivers clearly visible messages even under varying and demanding ambient conditions.
- **Future Ready with Open Modular Intelligence Expansion** – upgrade the power of your display at any time by seamlessly integrating one of NEC's options for OPS Slot-in PCs, Raspberry Pi compute modules or signal interfaces for content feed and computing.

Product Information

Product Name	P484-SST (ShadowSense)
Product Group	LCD 48" Professional Large Format Touch Display
Order Code	P484-SST

Display

Panel Technology	S-PVA with edge LED backlights
Active Screen Area (W x H) [mm]	1,054.1 x 592.9
Screen Size [inch/cm]	48 / 120.9
Brightness [cd/m²]	700, 500 Eco (shipment setting)
Contrast Ratio (typ.)	4000:1
Viewing Angle [°]	178° Vert., 178° Hor. @ CR>10
Colour Depth [bn]	1.073 (10bit)
Response Time (typ.) [ms]	8 (grey-to-grey)
Haze Level [%]	Pro (25)
Supported Orientation	Face Up; Landscape; Portrait

Synchronisation Rate

Horizontal Frequency [kHz]	15.625/15.734, 31.5 - 91.1
Vertical Frequency [Hz]	50.0 - 85.0 (Analog Input) / 24.0 - 85.0 (Digital Input)

Resolution

Native Resolution	1920 x 1080
Supported Resolutions on HDMI	4096 x 2160 @ 24Hz; 3840 x 2160 @ 60 / 30 / 25 / 24Hz; 1920 x 1080@60 Hz; 1080p, 1080i, 720p @ 60 / 50Hz; 576p @ 50Hz; 576i @ 50Hz; 480p @ 6 0Hz; 480i @ 60Hz

Connectivity

Input Video Analogue	1 x VGA ;1 x Composite (RCA)
Input Video Digital	1 x DVI-D (with HDCP); 2 x DisplayPort (with HDCP); 2 x HDMI (with HDCP)
Input Audio Analogue	2 x 3.5mm jack
Input Audio Digital	2 x DisplayPort; 2 x HDMI
Input Control	1 x LAN 100Mbit; 1 x Remote Control (3.5 mm jack); 1 x RS232
Input Data	1 x microSD (MediaPlayer); 1 x USB 2.0 (MediaPlayer); 1 x USB 2.0 (Service); 1 x USB Type-B (Upstream); 2 x USB 2.0 (Compute Module, 1 x 5V/2A powered)
Output Video Digital	1 x DisplayPort (loop through: DisplayPort, OPS slot-in PC)
Output Audio Analogue	1 x 3.5mm jack
Output Control	1 x LAN 100Mbit

Open Modular Intelligence

OPS Slot	Slot Technology: Open pluggable specification (NEC / Intel OPS standard)
OPS Max. Current / Power Consumption [A / W]	10 / 61
Compute Module Slot	Slot Technology: Compute Module Slot (NEC proprietary standard)

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Sensors

Ambient Light Sensor	Integrated, triggered actions programmable
Human Sensor	Optional, external, 4-5m range, triggered actions programmable
Temperature Sensor	Integrated, 3 sensors, triggered actions programmable
NFC Sensor	Integrated, 2cm range, free NEC Android App required

Electrical

Power Consumption [W]	105/<0.5
Power Savings Mode [W]	< 0.5 (ECO Standby); < 3 (Networked Standby)
Power Management	VESA DPMS

Environmental Conditions

Operating Temperature [°C]	+0 to +35
Operating Humidity [%]	20 to 80

Mechanical

Dimensions (W x H x D) [mm]	1136 x 682 x 74
Weight [kg]	28
Bezel Width [mm]	32/32
VESA Mounting [mm]	300 x 300 (FDMI); 4 holes; M6
Ingress Protection	IP5X (front); IP2X (back)

Touch

Touch Technology	ShadowSense™ Touch
Number of Touches	Real multi-touch up to 10 touches
Response Time [ms]	6 to 8
Touch Active Area (W x H) [mm]	1,054 x 593
Touch Method	Finger; Gloves; Stylus (≥ 4 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
Accuracy [mm]	< 1.5
Touch Resolution	12-bit (4096 x 4096)
Ambient Light Rejection	Up to full sunlight (approx. 100000 lux)

Additional Features

Special Characteristics	Ambient Light Sensor; AMX NetLinx Support; ASCII Control Commands; Auto ID assignment; Auto tiling function; Automated Email Alert; CEC Support; Crestron RoomView Support; DICOM support; Display Browser Control; Emergency Notification; Full System Scheduler; Hardware colour calibration possible; Image flip; Intelligent Wireless Data (based on NFC); KeyGuide; MediaPlayer with Browser Control; NaViSet Administrator 2; OmniColor Control; OSD rotation for portrait mode; PJLink Support; Point Zoom Function; Powered USB-Port; Programmable 12-bit LUT with 3 memory banks; Removable Logo; Secure Mode Operation; Slim LED Indicator; SNMP Support; TileMatrix (10 x 10); User readable log function; Various picture in picture options
Colour Versions	Black Front Bezel, Black Back Cabinet
Safety and Ergonomics	CE; EMC Class B; RoHS
Audio	Integrated Speakers (10 W + 10 W); Optional Speakers (15 W + 15 W)
Shipping Content	CD-ROM (User Guides/Manuals); Display; DVI-D cable; Power Cable; Remote Control; USB cable; User Manual
Warranty	3 years conditional warranty; additional services available; optional 4 + 5 year warranty extension

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Operating Hours	24/7

Available Options

Accessories	Wall Mount (LCM1U, RXF2, RXT2, XSM1U, LSM1U, XTM1U, LTM1U, MTMP1U, TS525TU).
Compute Module Slot	NEC RPI3CM-IF Bundle (Custom NEC Raspberry Pi Compute Module 3, with NEC IF10CE Interface Board)
OPS Slot	HD-SDI inputs (SB-01HC for 1.5G, SB-04HC for 3G, SB-09HC for Quad SDI), HD-Base-T input (SB-7BC), Celeron OPS PC's, Intel Core i5 OPS PC's

MediaPlayer

Supported Image Formats	JPG (baseline, progressive, RGB, CMYK); max. resolution 5000 x 5000; PNG (interlace, alpha channel); max. resolution 4000 x 4000
Supported Video Formats	.mpg, .mpeg, .wmv, .mov, .flv, .f4v (H.264: 1080p @ 30fps / 1080i @ 60fps; MP2: MP @ ML, MP @ HL)
Supported Audio Formats	.wav, .mp3 (Sampling up to 48kHz) (Bit rates: MP2 - Up to 384 kbps, MP3 - Up to 320 Kbps, ACC - Up to 1440 Kbps)
Supported File Storage / File System	MicroSDHC / FAT16, FAT32; USB 2.0 / FAT16, FAT32

Green Features

Energy Efficiency	Ambient light sensor; Annual energy consumption: 168 kWh (based on 4 operating hours per day); Carbon savings meter; ECOMode; Energy efficiency class: A; Human Sensor
Ecological Materials	Manuals on CD; Optional feet

For more information, visit au.nec.com, email contactus@nec.com.au or call 131 632

Corporate Headquarters (Japan)	**Australia**	**North America (USA)**	**Asia Pacific (AP)**	**Europe (EMEA)**
NEC Corporation	NEC Australia Pty Ltd	NEC Corporation of America	NEC Asia Pacific	NEC Enterprise Solutions
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v.27.04.18 | P484-SST Large Format Touch Display

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