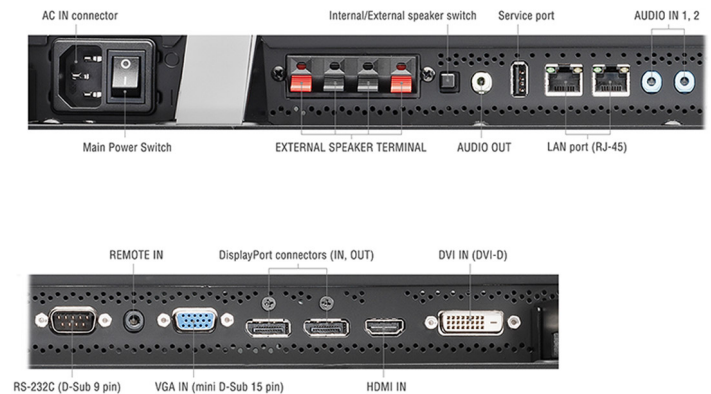# NEC MultiSync® P801 SST (ShadowSense)

Order Code: 60003766　　　　　　　　　　　　　　　　　**NEC LCD 80" Touch Large Format Display**

The MultiSync® P801 SST is the new multi-touch product of NEC's P Series boasting 80" in size. Based on the new touch technology ShadowSense™ the display delivers true multi-touch support with up to 6 simultaneous touch points. ShadowSense™ touch is an innovative and patented optical position sensing technology. Unlike other optical technologies that utilize cameras or imaging arrays, ShadowSense™ designs use high performance sensors to provide unprecedented performance, stability, and accuracy. Thanks to anti reflective coating, reflections are reduced to a minimum which significantly increases the readability of the content shown.

The P801 SST is ideal for any kind of 24/7 interactive retail signage, way finding and kiosk applications as well as for interactive whiteboard usages in meeting and class rooms.

BENEFITS

Multi-Touch - true multi-touch support with up to 6 simultaneous touch points for all major operating systems.

ShadowSense™ Touch - offering real-time tracking of all touch points (6 to 8 ms response time) and sub-2 mm touch point accuracy. No ghost touches or dead zones.
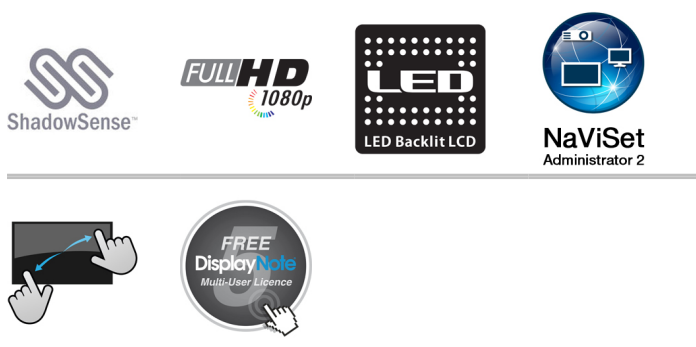
High Ambient Light Operation - enhanced filtering and analogue sensors allow operation in bright condition up to full sunlight.

Static Object Detection and Rejection - solid touch activation of any objects ≥ 4 mm in diameter. Possible usage with finger, gloved hand and stylus. Configurable hover distance for touch detection and palm rejection.

Driver-free - no need to install any drivers on the host PC for all major operating systems. Interface to host PC is USB HID protocol with no drivers, calibration or application software on the host.

Calibration-free - due to robust and accurate design, no drift, mechanical alignment or temperature issues. No re-calibration of the touch system necessary.

Free DisplayNote Multiuser Licence - present, share, collaborate with up to 5 participants across multiple devices (available until May 2015).

www.nec-display-solutions.com

DISPLAY	Panel Technology	UV² A with Edge LED backlight
	Screen Size [inch/cm]	80 / 203.2
	Brightness [cd/m²]	500, (700 max)
	Contrast Ratio (typ.)	5000:1
	Viewing Angle [°]	178 horizontal / 178 vertical (typ. at contrast ratio 10:1)
	Supported Orientation	Landscape; Portrait
SYNCHRONISATION RATE	Horizontal Frequency [kHz]	31.5 - 91.1 (analog and digital)
	Vertical Frequency [Hz]	50 - 85
RESOLUTION	Native Resolution	1920 x 1080 at 60 Hz
	Supported on DisplayPort and HDMI	3840 x 2160 (24/30 Hz); 1920 x 1080; 1600 x 1200; 1360 x 768; 1280 x 1024; 1280 x 768; 1080i; 1080p; 1024 x 768; 800 x 600; 720p (50/60 Hz); 640 x 480; 576p (50 Hz); 480p (60 Hz)
	Supported on HDMI only	4096 x 2160 (24 Hz); 3840 x 2160 (25 Hz); 1360 x 768; 576i (50 Hz); 480i (60 Hz)
CONNECTIVITY	Input Video Analogue	1 x D-sub 15 pin
	Input Video Digital	1 x DisplayPort (with HDCP); 1 x DVI-D (with HDCP); 1 x HDMI (with HDCP)
	Input Audio Analogue	2 x 3,5 mm jack
	Input Audio Digital	1 x HDMI; DisplayPort
	Input Control	LAN 100Mbit; remote control wire (3,5mm jack); RS232
	Output Video Digital	1 x DisplayPort; 1 x DVI-D; 1 x HDMI; 1 x Interface Extension Slot; 1 x OPS; 1 x through DisplayPort out
	Output Audio Analogue	3,5mm jack
	Output Control	LAN 100Mbit
	Remote Control	LAN with SNMP; Remote Control IR (internal/external (optional) sensor); RS-232C (9-pin D-sub) Input
OPS OPTION SLOT	Slot Technology	Open pluggable specification (NEC / Intel OPS standard)
	Inrush Current [A]	max. 10
	Power Consumption [W]	max. 61
	Voltage / Current [V/A]	16/4
INTERFACE EXTENSION SLOT	Slot Technology	analogue and digital interface extension (NEC standard)
SENSORS	Ambient Light Sensor	Integrated, triggered actions programmable
	Temperature Sensor	Integrated, 3 sensors, triggered actions programmable
ELECTRICAL	Power Consumption [W]	253 shipping; 448 (max.)
	Power Savings Mode [W]	< 0.5 (ECO Standby); < 1
	Power Management	VESA DPMS
ENVIRONMENTAL CONDITIONS	Operating Temperature [°C]	+0 to +40
	Operating Humidity [%]	20 to 80
MECHANICAL	Dimensions (W x H x D) [mm]	Without stand: 1,878 x 1,097 x 104
	Weight [kg]	Without stand: 85
	Bezel Width [mm]	40 (left and right); 40 (top and bottom)
	VESA Mounting [mm]	4 holes; 400 x 400 (FDMI); M8
GLASS	Thickness [mm]	5
	Type	Premium toughened glass, single sided anti-reflective coating
	Light Transmission [%]	92 (+/- 2 %)
	Haze Level [%]	9 (+/- 2 %)
TOUCH	Touch Technology	ShadowSense™ Touch
	Number of Touches	Real multi-touch up to 6 touches
	Response Time [ms]	6 to 8
	Touch Active Area (W x H) [mm]	1,796.88 x 1,015.84
	Touch Method	Finger; Gloves; Stylus (≥ 4 mm)
	Operating System	Native Multi-Touch: Windows 7, Windows 8, Linux, Android; Default Mouse: Windows XP, Windows Vista, Mac OS X
	Data Interface	USB 2.0 (full speed) HID; USB powered, plug & play
	Accuracy [mm]	< 2
	Touch Resolution	12-bit (4096 x 4096)
	Ambient Light Rejection	Up to full sunlight (approx. 100000 lux)
ADDITIONAL FEATURES	Special Characteristics	Auto ID assignment; Auto tiling function; Automatic Alarm E-Mails; HTTP Server; Image flip; NaViSet Administrator 2; Point Zoom Function; Programmable 10-bit LUT with 3 memory banks; Sticky Note Function in OSD; User readable log function
	Safety and Ergonomics	C-tick; CE; FCC Class B; PSB; RoHS; TÜV GS; UL/C-UL or CSA; VCCI
	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
	Warranty	3 years warranty incl. backlight; additional services available; optional 4. + 5. year warranty extension
	Operating Hours	24/7
AVAILABLE OPTIONS	Accessories	Feet (ST-801); Speaker (SP-RM1, SP-TF1); Trolley (PDMHA); Wall mount (PDW T XL, PDWHM-L)
	Interface Extension	SB3-AB1 analogue: Audio; Component; Composite; S-Video SB3-AB2 analogue: Audio; RGBHV SB3-DB1 digital: 2 x HDMI
	OPS	HD-SDI 1.5G,3G; HDBaseT receiver; OPS Digital Signage Player; Slot-inPC (Intel® Core i5/i7 with WS7P recommended)
GREEN FEATURES	Energy Efficiency	Ambient light sensor; Annual energy consumption: 349 kWh (based on 4 operating hours per day); Carbon savings meter; ECOMode; Energy efficiency class: B; Human Sensor
	Ecological Materials	Manuals on CD; Optional feet

Orchestrating a brighter world

NEC