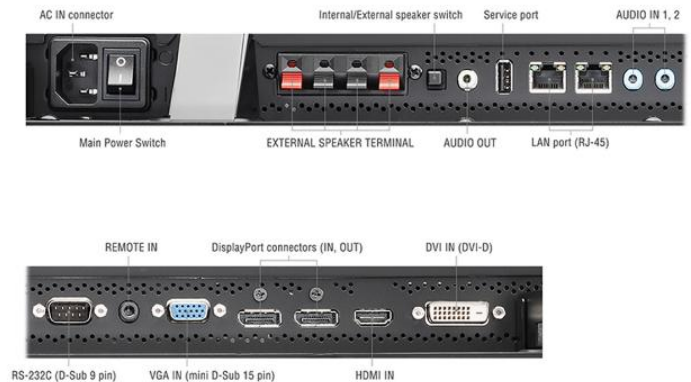


MultiSync® P801 SST (ShadowSense) LCD 80" Professional Large Format Touch Display

Datasheet



NEC MultiSync® P801 SST - Interactivity breathes new life into Digital Signage

Animated content catches the eye far more effectively than static images making digital signage a compelling proposition. By adding interactivity the spectator becomes an integral part of the story thus intensifying customer loyalty.

An interactive signage application integrated with the 80" 10-point-touch display entices the user to engage with the content, which at 700 cd/m² brightness and with an attractive colour spectrum guarantees an extraordinary visual and touch experience.

A perfect solutions for retail and digital signage industry where owners wish to address their customers on a more personal level whilst increasing their ROI and securing their investment into a brighter future.

Benefits

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.

Intuitive Touch Behaviour – enjoy intuitive working and let the display automatically detect and switch between interactions like finger whipping, stylus writing and erasing.

Simple Plug & Play – easy set-up without the need to install any drivers on the host PC for all major operating systems.

Ease of Use – enhance the display with an optional “Windows based” Slot-in-PC using the integrated Ultra High Resolution OPS option slot, thereby simplifying installations and reducing the points of failure.

Cost Saving Device Management – save effort whilst managing all connected NEC devices from a centralised location by using the NaViSet Administrator 2 software tool.

Product Information

| | |
|---------------|---|
| Product Name | MultiSync® P801 SST (ShadowSense) |
| Product Group | LCD 80" Professional Large Format Touch Display |
| Order Code | 60003766 |

Display

| | |
|---------------------------------|---|
| Panel Technology | UV ² A with Edge LED backlight |
| Screen Size [inch/cm] | 80 / 203.2 |
| Brightness [cd/m ²] | 500, (700 max) |
| Contrast Ratio (typ.) | 5000:1 |
| Viewing Angle [°] | 178 horizontal / 178 vertical (typ. at contrast ratio 10:1) |
| Haze Level [%] | 5 |
| 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 |

Open Modular Intelligence

| | |
|-------------------------|--|
| OPS 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] | 239 Eco (shipment setting), 332 |
| Power Savings Mode [W] | < 0.5 (ECO Standby); < 1 |
| 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] | 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 |
| Ingress Protection | IP40 (front); IP20 (back) |

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 10 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) |
| 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 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; DICOM support; 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 | CE; 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; Pen and Eraser; 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 (PD02MHA, PD03MHA); Wall mount (PDW T XL, PDVW QR XL, PD02WHA) |
| Interface Extension | SB3-AB1 analogue: Audio; Component; Composite; S-Video SB3-AB2 analogue: Audio; RGBHV |

OPS Slot 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



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