

Product Information Sheet

C651Q-SST (ShadowSense™) LCD 65" Large Format ShadowSense™ Touch Display



Give your meeting room a bright new touch

Enhance your meeting and conferencing performance with stunning UHD resolution. Get high-end quality and reliability at a low total cost of ownership, with long life-times.

The ShadowSense™ Technology gives you the freedom to throw open the blinds and let the daylight enrich your meeting – even in direct sunlight the precise touch interface functions perfectly without ghost touches. Meanwhile, the anti-glare coating minimizes disturbing reflections and helps to eliminate annoying fingerprints on the touch surface. The design of the touch frame brings a modern styling to ShadowSense™ Touchscreens, whilst the precision pen the user an even better writing experience. Add the Mosaic Canvas software for whiteboarding and sketching capability to deliver the perfect interactive meeting solution. When adding an OPS Slot-in PC, an NEC Soundbar and Huddly Go wide screen camera, your collaborative meeting solution is ready to boost creativity and efficiency in your meeting rooms.

All NEC SST touch displays come with an NEC SST Pen and Eraser Kit.

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** – no need to install any drivers on the host PC for all major operating systems.
- **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.
- **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

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|---------------|---|
| Product Name | C651Q-SST (ShadowSense Touch) |
| Product Group | LCD 65" Commercial Large Format Touch Display |
| Order Code | C651Q-SST |

Display

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|---------------------------------|--------------------------------|
| Panel Technology | S-IPS with Edge LED backlights |
| Active Screen Area (W x H) [mm] | 1,429 x 804 |
| Screen Size [inch/cm] | 65 / 165.1 |
| Brightness [cd/m²] | 280/400 |
| Contrast Ratio (typ.) | 4000:1 |
| Viewing Angle [°] | 178° Vert., 178° Hor. at CR>10 |
| Colour Depth [bn] | 1.073 (10bit) |
| Response Time (typ.) [ms] | 8 (grey-to-grey) |
| Haze Level [%] | Pro (44) |
| Supported Orientation | Face Up; Landscape; Portrait |

Synchronisation Rate

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|----------------------------|--|
| 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

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

Connectivity

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|-----------------------|---|
| Input Video Analogue | NONE |
| Input Video Digital | 2 x DisplayPort (with HDCP); 3 x HDMI (with HDCP) |
| Input Audio Analogue | 1 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 3.5 mm jack |
| Output Control | 1 x LAN 100Mbit |

Open Modular Intelligence

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| 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) |

Sensors

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| 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 |

Electrical

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| Power Consumption [W] | 212 Eco (shipment setting), 267 |
| Power Savings Mode [W] | < 0.5 (ECO Standby); < 3 (Networked Standby) |
| Power Management | VESA DPMS |

Environmental Conditions

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| Operating Temperature [°C] | +0 to +35 |
| Operating Humidity [%] | 20 to 80 |
| Storage Humidity [%] | 10 to 90 |
| Storage Temperature [°C] | -20 to +50 |

Mechanical

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|-----------------------------|-----------------------------|
| Dimensions (W x H x D) [mm] | 1510 x 890 x 101 |
| Weight [kg] | 69 |
| Bezel Width [mm] | 32 |
| VESA Mounting [mm] | 400 x 400; 4 holes; M6 IP40 |
| Ingress Protection | (front); IP20 (back) |

Touch

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|--------------------------------|--|
| 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] | 1429 x 804 |
| 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

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|-------------------------|---|
| Special Characteristics | Advanced fan control; Ambient Light Sensor; Automatic Alarm E-Mails; Copy display settings through RS232; DICOM support; Hardware colour calibration possible; Input name adjustment; Matrix memory; NaViSet Administrator 2; OSD rotation for portrait mode; PIN as theft protection; Rapid input switching; Scheduler; Screen saver functions; TileMatrix (10 x 10); User input priority definition; Various picture in picture options |
| Colour Versions | Black Front Bezel, Black Back Cabinet |
| Safety and Ergonomics | BSMI; C-tick; CE; EAC; FCC Class B; KC/KCC; PSB; SASO; TÜV GS; TÜV S; UL/C-UL or CSA; VCCI |
| Plug and Play | VESA DDC2Bi |
| Audio | Integrated Speakers (10 W + 10 W); Optional Speakers (15 W + 15 W) |
| Shipping Content | Display; Free LAN control software (download); Power Cable; Remote Control; VGA cable |
| Warranty | 3 years conditional warranty; additional services available |
| Operating Hours | 24/7 |

Available Options

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| Accessories | Wall Mount (LPAU, RXF2, RXT2, XSM1U, LSM1U, XTM1U, LTM1U, MTMP1U) *Wall Installation Only, not compatible with current NEC stands* |
| OPS Slot | HD-SDI 1.5G, 3G; HDBaseT receiver; Intel® Atom, Celeron and Core CPUs |

Green Features

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| Energy Efficiency | Ambient light sensor; Annual energy consumption: 72 kWh (based on 4 operating hours per day); ECOMode; Energy efficiency class: B |
| Ecological Materials | Manuals on CD; Optional feet |

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

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| Corporate Headquarters (Japan) NEC Corporation www.nec.com | Australia NEC Australia Pty Ltd au.nec.com | North America (USA) NEC Corporation of America www.necam.com | Asia Pacific (AP) NEC Asia Pacific sg.nec.com | Europe (EMEA) NEC Enterprise Solutions www.nec-enterprise.com |
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v.27.04.18 | C651Q-SST Commercial Large Format Touch Display

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