

2150 Optical Touch Screen

Integrated Multi-Touch



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The 2150 utilizes NextWindow's latest passive-border technology (patent-pending), which radically reduces the quantity and complexity of electronic components. The result: easy assembly, high reliability and lower costs.

NextWindow's optical touch technology is the solution for high performance, cost effective requirements. Exceptional clarity of image, low power consumption and improved resistance to environmental conditions are advantages you can expect from the 2150. Combine these features with NextWindow's gesture software to generate superior touch performance.

Expect the convenience of traditional touch functions (point-and-click, drag-and-drop) and the flexibility of multi-touch gestures (pan, pinch, double-tap, scroll). Current users of earlier 2100 series displays can easily upgrade with a same-sized, drop in replacements.



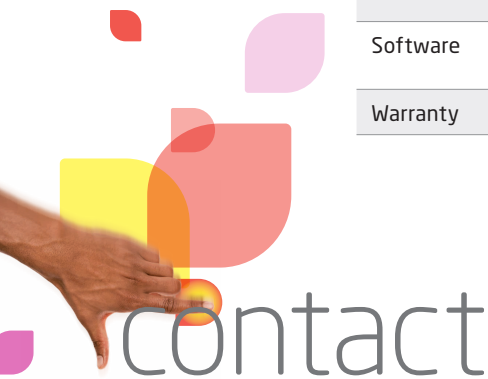
Features

- > Sizes: 30" to 120"
- > Clear glass: maximum clarity
- > Light touch: no pressure required
- > Any touch: finger, gloved hand or pointer
- > Multi-touch ready
- > Calibration: once-only, four-points with no drift
- > USB plug-and-play: one cable for power and communications
- > Orientation: landscape or portrait

Specifications

Available size	Standard: 30" to 67," custom: up to 120"
Glass	4 mm or 6 mm tempered glass (recommended)
Bezel colour	Standard black anodised
Construction	Aluminium, zinc, acrylic, annealed polycarbonate, PVC, FR4 fibreglass printed circuit boards and tempered glass
Luminous transmission	>92% with clear glass
Touch technology	NextWindow Optical Imaging (no special surface coatings)
Touch method	Finger, gloved hand or any other pointer. Stylus minimum radius 2 mm
Touch activation force	No pressure required
Touch accuracy	± 2 mm (for 40" screen) over 90% of the touch sensitive area, USB reported touch resolution 32767 x 32767
Touch durability	Unlimited
Touch response time	9 ms to 22 ms depending on configuration, typical response time 14 ms
Environment	Operating temperature: 0°C to 55° Storage temperature: -25°C to 85°C Operating humidity: 10% to 90% RH, non-condensating Storage humidity: 10% to 90% RH, non-condensating
Power supply	USB from powered hub, enumeration requests 350 mA
Calibration	Four-point driverless calibration (requires no software), automatic landscape/portrait orientation detection. Mac OSX and Linux applications need to use the external calibration button to initiate calibration
ESD	Per EN 61000-4-2 1995: Level 4, contact discharge 8 kV, air discharge 15 kV on USB connector pins
EMC	EN55022, EN55024, CISPR 22, CISPR 24
Interface	USB 1.1 (full speed), HID compliant, plug-and-play compatible
Operating systems	Windows XP, 2000, Vista, Mac OSX, Linux (requires drivers)
Connection options	Standard: USB Series A plug and Neltron 4-way connector on separate flying leads. Includes a small external PCB that provides a hardware calibration button. Optional: Separate PCB with serial port, 12 Vdc power input, and calibration button
Software	No software required, works with Windows native HID mouse driver NextWindow Touch+ software provides additional utilities
Warranty	1 year parts and labour

Note: specifications subject to change without notice



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