

# 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 our Multi-Touch Gesture Server Application 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.



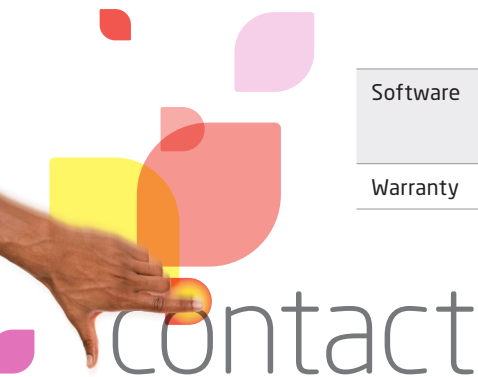
## Features

- > 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

<b>Available size</b>	Standard: 30" to 67," custom: up to 120"
<b>Glass</b>	4mm or 6mm tempered glass (recommended)
<b>Bezel colour</b>	Standard black anodised, other colours available on request
<b>Construction</b>	Aluminium, zinc, acrylic, annealed polycarbonate, PVC, FR4 fibreglass printed circuit boards and tempered glass
<b>Luminous transmission</b>	>92% with clear glass
<b>Touch technology</b>	NextWindow Optical Imaging (no special surface coatings)
<b>Touch method</b>	Finger, gloved hand or any other pointer. Stylus minimum diameter 3.7 mm
<b>Touch activation force</b>	No pressure required
<b>Touch accuracy</b>	± 2 mm (for 40" screen) over 90% of the touch sensitive area, USB reported touch resolution 32767 x 32767
<b>Touch durability</b>	Unlimited
<b>Touch response time</b>	Typically 110 touches per second (9 ms) for single touch with no ambient synchronisation
<b>Environment</b>	Temperature: operating: 0°C to 55°C, storage: -25°C to 85°C Humidity: operating: 10% to 90% RH, non-condensating, storage: 10% to 90% RH, non-condensating
<b>Power supply</b>	USB from powered hub, enumeration requests 350mA
<b>Reporting speed</b>	10 ms per coordinate set (max), typical 15 ms (66 updates per second)
<b>Calibration</b>	Four-point driverless calibration (requires no software), automatic landscape/portrait orientation detection, optional external calibration button (required for Mac OS)
<b>ESD</b>	Per EN 61000-4-2 1995: Level 4, contact discharge 8 kV, air discharge 15 kV on USB connector pins
<b>EMC</b>	EN55022, EN55024, CISPR 22, CISPR 24
<b>Interface</b>	USB 1.1 (full speed), HID compliant, plug-and-play compatible
<b>Operating systems</b>	Windows XP, 2000, Vista, Mac OS, Linux (requires drivers)
<b>Connection options</b>	Standard: Wire loom with USB Series A receptacle for power and communications, separate connector for serial communications and external calibration button Option 1: Small PCB with external calibration button (recommended) Option 2: Connection box with serial port, 12VDC power input, calibration button
<b>Software</b>	No software required, works with Windows native HID mouse driver NextWindow Touch+ software provides additional utilities Optional Multi-Touch Gesture Server Application
<b>Warranty</b>	1 year parts and labour

Note: specifications subject to change without notice



## New Zealand

13-15 College Hill, Ponsonby  
Auckland 1011, New Zealand

### Postal Address

PO Box 91383, Victoria Street West  
Auckland 1142, New Zealand

t +64 9 353 6608

f +64 9 353 6609

## United States

7020 Koll Center Parkway, Suite 138  
Pleasanton, CA 94566 USA

t +1 925 271 2390

f +1 925 461 5019

nextwindow.com



nextwindow™