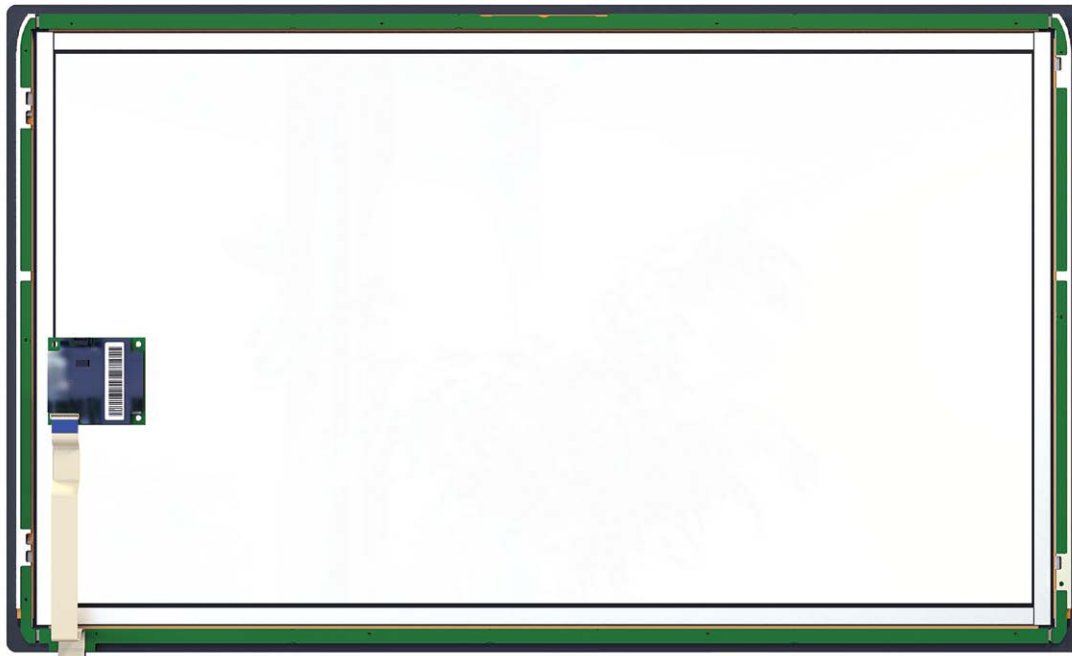


FLATFROG E-TM23o



FlatFrog 23" touch module for integration with LCD panels

- Ultra thin, edge-to-edge design
- Perfect optical clarity
- Support for any gloves and thin tip styluses
- Unique pressure detection
- Windows 8 certified
- Support for Android



FlatFrog E-TM23o is a touch module for 23" displays, offering an easy, true tablet-like user experience. The high performance and the flush, edge-to-edge design make FlatFrog E-TM23o the perfect touch screen for high quality displays with a design focus and best in class multitouch performance.

FlatFrog InGlass™ Touch enables a perfect viewing experience since it has no sensor grid obstructing the visual clarity. Further E-TM23o uses a highly transmissive glass that comes with anti-fingerprint coating.

E-TM23o is fully Windows 8.1 touch certified. This ensures a perfect user interface experience in both Windows and Android. The technology also has the unique ability to sense more than 1,000 levels of pressure. This enables pressure sensitive drawing and writing as well as new application gestures for music, gaming and smart user interfaces.

TECHNICAL SPECIFICATIONS

TOUCH PERFORMANCE

Multiple touches	10 simultaneous touches and drags
Touch resolution	8147 x 4283
Accuracy	<1mm
Latency	<15 ms panning, <25ms touch down
Reporting rate	100 Hz
Touch objects	Fingers, gloves, soft tip styluses and soft objects are detected – min size 4 mm
Optional features	10-bit pressure detection

This product is certified according to Windows 8.1 touch requirements

ELECTRONICS

Main board interface	Data communication: USB 2.0 Hi-Speed – Single power supply: VBUS (5V)
Operating current	5V (1A max)
Touch interface	USB HID Multi-touch

OPERATING SYSTEMS SUPPORT

OS Compatibility	Windows 7/8/10, Linux and Android versions with native support for USB HID Multi-touch. MacOS via 3rd party driver
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MECHANICAL

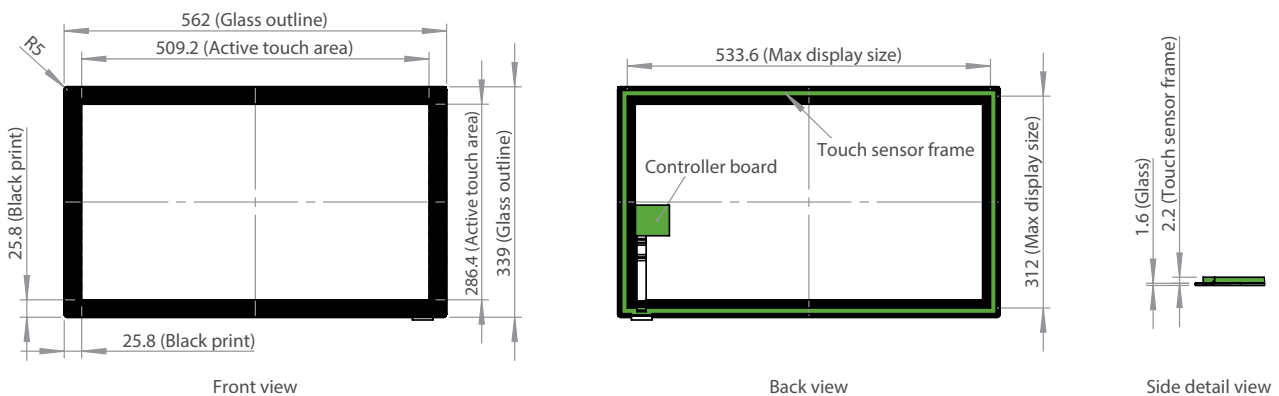
Cover lens ID concept	Edge-to-edge flush design – no bezel
LCD panel integration	Minimal air-gap bonding
Cover lens type	Chemically strengthened soda lime
Cover lens thickness	1.6 mm single glass
Light transmission	>91%
Haze	<0.5%
Surface treatment front	Anti-fingerprint coating Pencil hardness: 8H
Surface treatment back	Black print
Weight including glass	850g

RELIABILITY AND SAFETY

Operating conditions	0°C to +60°C
Storing conditions	-30°C to +70°C
Impact resistance	Ball drop UL60950 (500g/1.3m) Impact hammer IEC60065 (0.5J)
Compliance	RoHS and REACH compliant Designed for CE/FCC compliance Designed for IPXX compliance

DIMENSIONS

Units: mm



FlatFrog is revolutionizing the touch industry with its patented InGlass™ Touch technology. FlatFrog's products offer a perfect touch and viewing experience, supporting over 40 touches with unique pressure detection in a flush, bezel-free design. FlatFrog Touch is designed for mass production and integration into tablets, PCs and large interactive displays. FlatFrog Laboratories AB is based in Lund, Sweden.

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