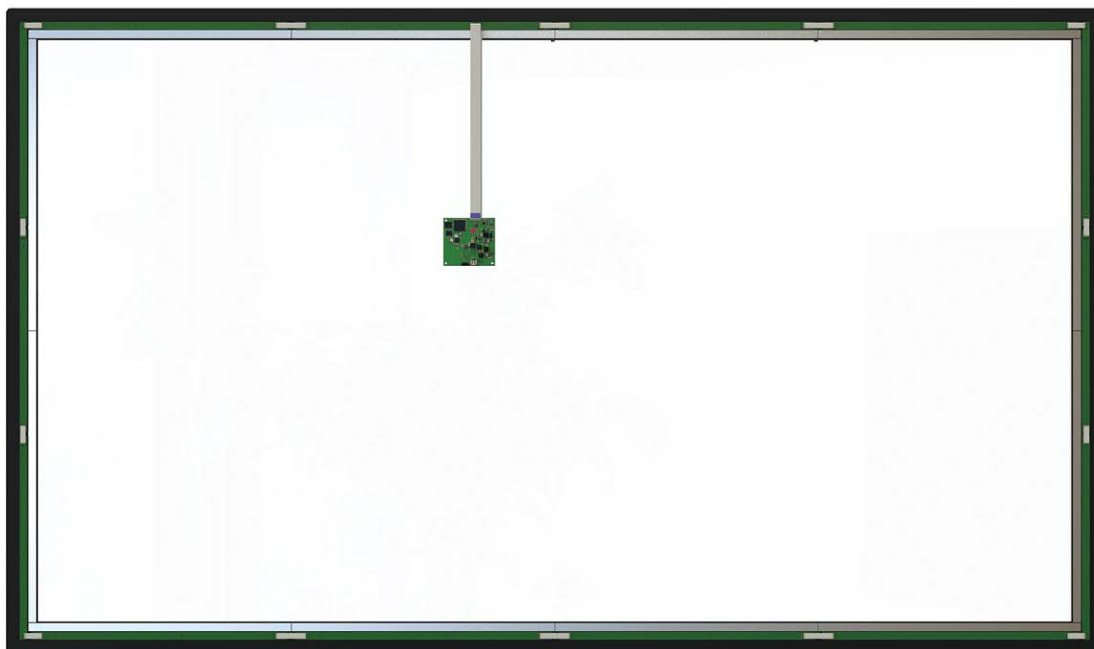


FLATFROG EXPERIENCE

E-TM65F



FlatFrog 65" 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 and Android support



FlatFrog E-TM65F is a new touch module in the FlatFrog Experience series for large displays. The size and performance of FlatFrog E-TM65F make it the perfect touch screen for classroom and conference room applications. The unique combination of ease-of-use and flush edge-to-edge design also makes it exceptionally suited for premium interactive digital signage installations.

FlatFrog InGlass™ Touch enables a perfect viewing experience since it has no sensor grid obstructing the visual clarity. Further E-TM65F uses a highly transmissive anti-fingerprint treated glass.

FlatFrog InGlass™ Touch offers industry-leading multi-touch performance, ensuring a perfect Windows or Android user interface experience. 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.

FlatFrog Experience series offers a true tablet touch experience for large interactive displays. All products feature a flush, bezel free, edge-to-edge design – perfect for digital signage, interactive whiteboards and table computers in sizes from 32" – 65".

TECHNICAL SPECIFICATIONS

TOUCH PERFORMANCE

Multiple touches	10 simultaneous touches and drags
Touch resolution	22855 x 12856
Accuracy	<2mm (95% of screen)
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

ELECTRONICS

Main board interface	Data communication: USB 2.0 Hi-Speed – Dual power supply: VBUS (5V) – VTSF (24V)
Operating current	5V (0.5A max) 24V (1.05A 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

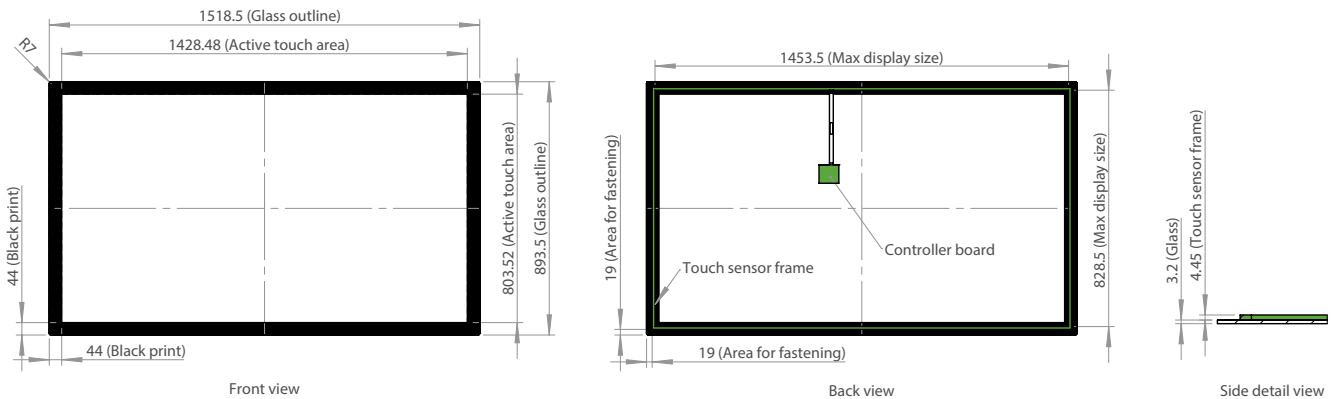
Cover lens ID concept	Edge-to-edge flush design – no bezel
LCD panel integration	Minimal air-gap bonding
Cover lens type	Chemically strengthened soda lime
Cover lens thickness	3.2 mm single glass
Light transmission	>89%
Haze	<0.5%
Surface treatment front	Anti-fingerprint coating Pencil hardness: 8H
Surface treatment back	Black print
Weight including glass	11.5 kg

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, PC's and large interactive displays. FlatFrog Laboratories AB is based in Lund, Sweden.

www.flatfrog.com | info@flatfrog.com | Tel: +46 46 10 25 00

