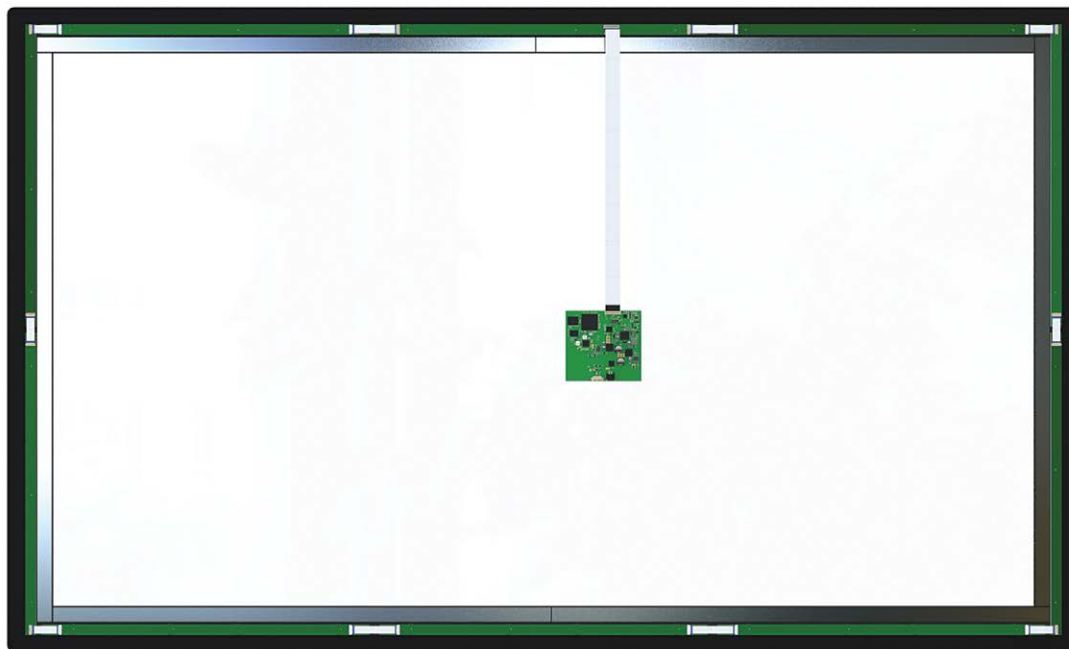


# FLATFROG EXPERIENCE

## E-TM42F



### FlatFrog 42" 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-TM42F is a new touch module in the FlatFrog Experience series for large displays that offers a true tablet-like, easy-to-use experience. The performance and the flush, edge-to-edge design make FlatFrog E-TM42F the perfect touch screen for interactive digital signage installations, especially in premium environments where design is important.

FlatFrog InGlass™ Touch enables a perfect viewing experience since it has no sensor grid obstructing the visual clarity. Further E-TM42F 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

<b>Multiple touches</b>	10 simultaneous touches and drags
<b>Touch resolution</b>	14884 x 8372
<b>Accuracy</b>	<2mm (95% of screen)
<b>Latency</b>	<15 ms panning, <25ms touch down
<b>Reporting rate</b>	100 Hz
<b>Touch objects</b>	Fingers, gloves, soft tip styluses and soft objects are detected – min size 4 mm
<b>Optional features</b>	10-bit pressure detection

### ELECTRONICS

<b>Main board interface</b>	Data communication: USB 2.0 Hi-Speed – Dual power supply: VBUS (5V) – VTSF (12V)
<b>Operating current</b>	5V (0.5A max) 12V (1.25A max)
<b>Touch interface</b>	USB HID Multi-touch

### OPERATING SYSTEMS SUPPORT

<b>OS Compatibility</b>	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

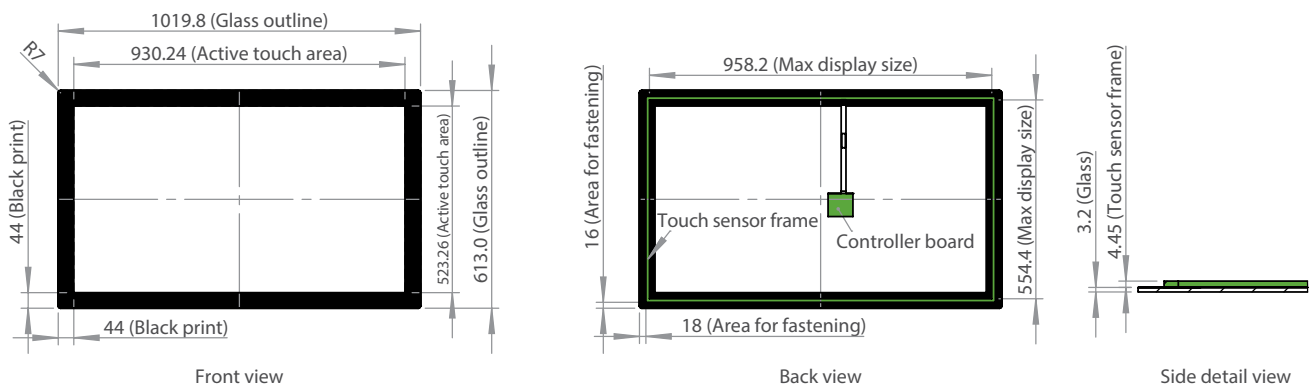
<b>Cover lens ID concept</b>	Edge-to-edge flush design – no bezel
<b>LCD panel integration</b>	Minimal air-gap bonding
<b>Cover lens type</b>	Chemically strengthened soda lime
<b>Cover lens thickness</b>	3.2 mm single glass
<b>Light transmission</b>	>89%
<b>Haze</b>	<0.5%
<b>Surface treatment front</b>	Anti-fingerprint coating Pencil hardness: 8H
<b>Surface treatment back</b>	Black print
<b>Weight including glass</b>	5.1 kg

### RELIABILITY AND SAFETY

<b>Operating conditions</b>	0°C to +60°C
<b>Storing conditions</b>	-30°C to +70°C
<b>Impact resistance</b>	Ball drop UL60950 (500g/1.3m) Impact hammer IEC60065 (0.5J)
<b>Compliance</b>	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.

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