

MTC-361/2

24" FHD Multi-Touch Display with a Medium Ruggedisation Level

Rugged Displays and Computing: Displays



- Cost effectiveness
- Long life
- Low weight, slim design
- Low power consumption
- Frozen Image detection
- Multi-Touch (4 simultaneous touches)

The MTC-361/2 is a 24" FHD multi-touch display with a medium ruggedisation level. Its exceptionally slim display design and low weight make the MTC-361/2 perfectly suited for ground mobile, fixed shelter applications as well as for naval and industrial applications.

Being the successor of the first generation MTC-361, the MTC-361/2 serves as a true drop in replacement and features the same functions and benefits as its predecessor: full HD resolution (1920 x 1080), excellent performance in terms of brightness, crispness, contrast, and viewing angle, long lifetime and reduced power consumption. In addition, the MTC-361/2 offers safety features such as frozen image detection and RS-422 touch communication.

The MTC-361/2 features intuitive projected capacitive touch control with up to 4 individual and simultaneous touches, allowing fluent drag and drop actions. Its touch screen can be operated with finger tips or conductive stylus. The projected capacitive (PCAP) touch technology excels with high touch accuracy, dust and water resistance and has no impact whatsoever on the display's optical performance. Designed with dual DVI, VGA and HD-SDI inputs, the MTC-361/2 provides the flexibility to support both new and legacy systems and allows switching between multiple inputs with the touch of a button.

Product Specifications

Panel Type	Active Matrix LCD
Panel Active Area	23.8" diagonal
Resolution	1920 x 1080 (FHD)
Backlight	LED
Dimming Ratio	300:1
Contrast Ratio	1000:1
Brightness	300 cd/m ² (88 fL) typical
Viewing Angle	± 89° horizontal and vertical
Touch	Projected Capacitive multi touch (10 simultaneous touches)
Signal Inputs	DVI-D / VGA / HD-SDI
USB	USB2.0 for Touch communication
RS	RS-422 for Touch communication
Vibration Transportation (air and truck)	MIL-STD-810F Meth. 514.5 Fig. 514.5C-6 and Fig 514.5C-1
Functional Shock	MIL-STD-810F Meth. 516.5, Proc I · 10 g – 11 ms · 3 shocks in each of the orthogonal axes (X,Y,Z)
Operational Temperature	MIL-STD-810F Meth 501.4 and Meth 502.4, Proc II, high temperature: + 50°C, low temperature: 0°C
Storage Temperature	MIL-STD-810F Meth 501.4 and Meth 502.4, Proc I, high temperature: + 65°C, low temperature: - 25°C
Relative Humidity	MIL-STD-810F Meth 507.4
Enclosure (Drip)	MIL-STD-810F Meth 506.4, Proc III, on display front
Altitude Low Pressure	MIL-STD-810F Meth 500.4, Proc I and II, operating: up to 10,000 ft (696 mbar), non-operating: up to 40,000 ft (187m bar)
EMI/EMC	MIL-STD-461F – ground applications Navy Fixed and Airforce
Controls	OSD/web interface SNMP remote display control
Indicators	Green 'Power' LED, Red 'Fault' LED
OSD	On Screen Display and web interface
Power	110 - 230 VAC 47 - 63 Hz
Power Consumption	maximum 65 W (at full display brightness)
Weight	7.80 ± 0.25 kg
Cooling	Passive
Finishing	Bezel colour: Black RAL 9005 Surface treatment: RoHS compliant Chromated Cr3 (MIL-DTL-5541 type II Class 3)

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All specifications are subject to change without notice
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sales@eylex.com.au
www.eylex.com.au

