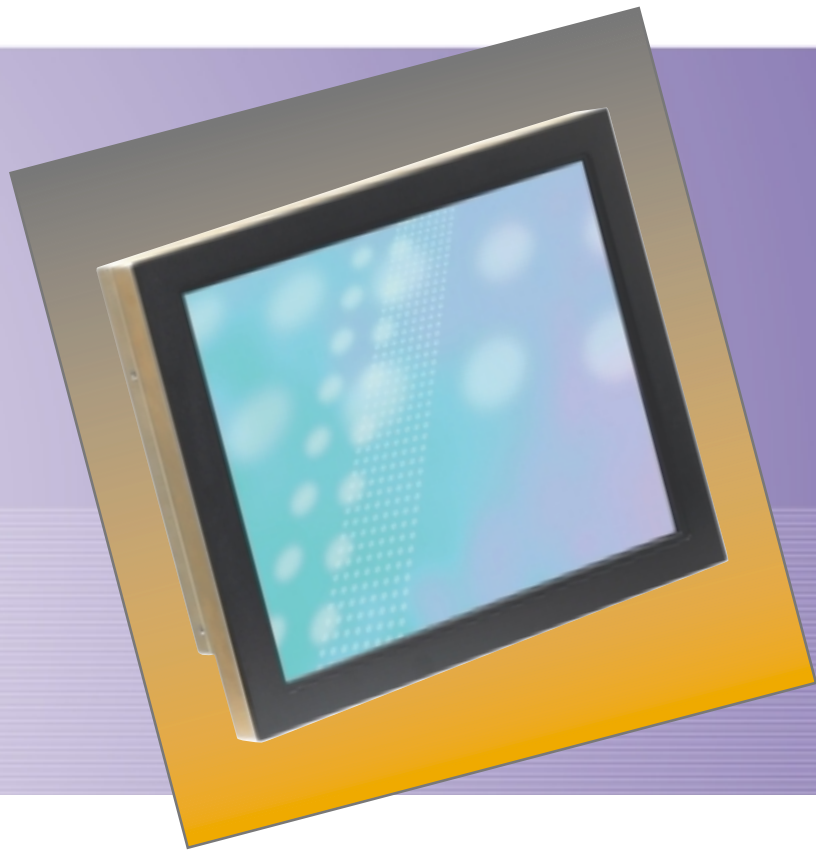
MicroTouch

MicroTouch ChassisTouch™ FPD Touch Monitor

TOUCH MONITORS



Product Highlights

- Slim design is conducive to sleek kiosk design trends
- Robust metal enclosure provides mounting stability and protection for the FPD display
- Available in capacitive or resistive touch technology, suiting the needs of most integrators
- Multiple options including bezeled, non-bezel, or industrial bezel for flexible integration
- VESA-mounting hole pattern on the back allows for arm mount capability

Slim, Compact Display offers Durable Touch Solution

MicroTouch ChassisTouch FPD monitors from 3M Touch Systems are designed for easy integration into kiosks, industrial enclosures and other installations where compact, touch-integrated displays are preferred. MicroTouch ChassisTouch FPD monitors offer a more compact enclosure, better optics, lower power usage, longer life and less heat generation than traditional CRT chassis monitors. These slim profile monitors are used in many different applications, from light industrial to point-of-sale devices to voting machines.

When design space is limited, the slim metal case of the ChassisTouch FPD touch monitor is ideal. Back-mounted display controls are accessible even with the monitor sitting flush with the face of the enclosure, improving the aesthetics of your integration.

Making the Difference

The ChassisTouch FPD touch monitors are available with MicroTouch™ ClearTek capacitive touch screen technology. Capacitive technology has a proven track record of durability and reliability in heavy usage applications. A ClearTek sensor with Industrial (C) Etch has been tested in a laboratory environment to withstand over 225 million mechanical touches without noticeable degradation to the surface.*

For applications that require input flexibility, including gloved-hand use, 3M Touch Systems offers 5-wire resistive touch screen technology on ChassisTouch FPD monitors. 5-wire resistive technology has been tested in a laboratory environment to withstand 35 million mechanical touches without noticeable degradation to the surface.*

* Mechanical touches for *capacitive* were tested on a single x,y location and for *resistive* were tested on a single 1cm location, each using a finger-like stylus of 45 durometer, “A” shore hardness, 0.5 diameter with a load of 0.46 pounds, +/- .01 pounds of force.

Specifications

MicroTouch ChassisTouch™ FPD Touch Monitors

	15"	17"
FUNCTIONAL FEATURES		
LCD Technology	TFT, Active Matrix	TFT, Active Matrix
Display Colors	16.7 million	16.7 Million
Pixel Pitch	.297 mm	.264mm
Brightness w/o Touch Screen	250 cd/m^2 Typical	250 cd/m^2 Typical
Brightness w/ Touch Screen (max.)[1]	215 cd/m^2	215 cd/m^2
Contrast Ratio	300:1 Typical	350:1 Typical
Response Time	25 milliseconds	25 milliseconds
Viewing Angle	Horizontal: +/- 65 degrees minimum Vertical: +50/-60 degrees minimum	Horizontal: +/- 75 degrees Typical Vertical: +65/-60 degrees Typical
Control Type	OSD	OSD
On Screen Display Controls	Brightness, Contrast, Geometry, Phase, Auto-adjust, Sharpness, OSD control, Default, Exit	Brightness, Contrast, H/V Position, Phase, Auto-adjust, Sharpness, OSD control, Frequency, Utility
Maximum Resolution	1280 x 1024	1280 x 1024
Number of Allowable Unlit Pixels	10	10
Operating Environment	0 to +40 degrees C, 90% Relative Humidity, Non-condensing	0 to +40 degrees C, 90% Relative Humidity, non-condensing
Storage Environment	-25 to +60 degrees C	-25 to +60 degrees C
PHYSICAL FEATURES		
Physical Dimensions (WxHxD) (with Bezel)	361.2 x 273.7 x 53.57 mm 14.2 x 10.78 x 2.1 inches	405.7 x 335.1 x 54.6 mm 15.98 x 13.18 x 2.15 inches
Physical Dimensions (WxH) (without Bezel)	361.2 x 273.7 x 48 mm 14.2 x 10.77 x 1.89 inches	405.7 x 335.1 x 49 mm 15.98 x 13.18 x 1.93 inches
Display Area (WxH)	304.1 x 228.1 mm 11.9 x 8.9 inches	337.9 x 270.3 mm 13.3 x 10.6 inches
Video Cable Connector	15 Pin D-Sub	15 Pin D-Sub
Power Supply	12V DC Power Supply	12V DC Power Supply
Power Savings	DPMS, VESA Compliant	DPMS, VESA Compliant
Power Consumption	20 Watts Normal	20 Watts Normal
Backlight Life	20,000 hrs.	17,000 hrs minimum
Weight with Bezel	4kg/8.8 lbs.	5.6kg/12.3 lbs
Weight without Bezel	3.3kg/7.3 lbs.	4.6kg/10.1 lbs
Agency Approvals	FCC B, CE, UL/cUL	FCC B, CE, UL/cUL
Mounting Options	2 sets of brackets, VESA 100 mm	2 sets of brackets, VESA 100 mm
Warranty	1 year FPD 5 years touch sensor and components	1 year FPD 5 years touch sensor and components

(1) Brightness measured on a display with MicroTouch capacitive C-etch sensor.

NOTE: Mechanical Drawings available for all ChassisTouch Monitors at www.3Mtouch.com

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Worldwide Manufacturing Plants:

Austin, Texas
Methuen, Massachusetts
Milwaukee, Wisconsin
Vancouver, BC Canada
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For more information on 3M touch products, visit 3Mtouch.com or call toll-free 1-866-407-6666

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