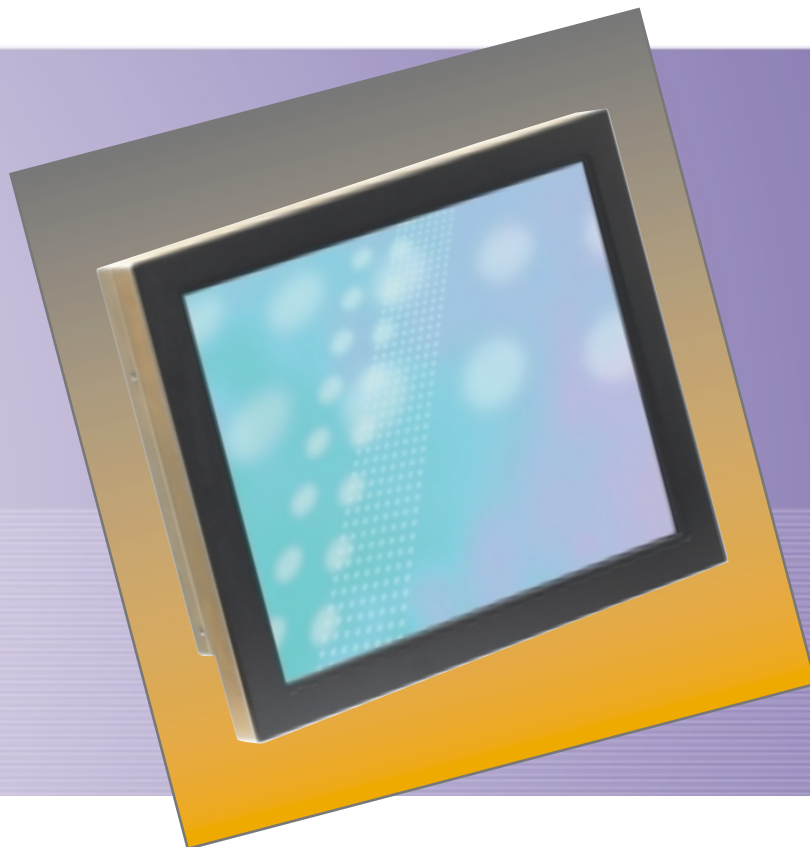




## MicroTouch ChassisTouch™ FPD Touch Monitor

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"
<b>FUNCTIONAL FEATURES</b>		
<b>LCD Technology</b>	TFT, Active Matrix	TFT, Active Matrix
<b>Display Colors</b>	16.7 million	16.7 Million
<b>Pixel Pitch</b>	.297 mm	.264mm
<b>Brightness w/o Touch Screen</b>	250 cd/m <sup>2</sup> Typical	250 cd/m <sup>2</sup> Typical
<b>Brightness w/ Touch Screen (max.)<sup>1</sup></b>	215 cd/m <sup>2</sup>	215 cd/m <sup>2</sup>
<b>Contrast Ratio</b>	300:1 Typical	350:1 Typical
<b>Response Time</b>	25 milliseconds	25 milliseconds
<b>Viewing Angle</b>	Horizontal: +/- 65 degrees minimum Vertical: +50/-60 degrees minimum	Horizontal: +/- 75 degrees Typical Vertical: +65/-60 degrees Typical
<b>Control Type</b>	OSD	OSD
<b>On Screen Display Controls</b>	Brightness, Contrast, Geometry, Phase, Auto-adjust, Sharpness, OSD control, Default, Exit	Brightness, Contrast, H/V Position, Phase, Auto-adjust, Sharpness, OSD control, Frequency, Utility
<b>Maximum Resolution</b>	1280 x 1024	1280 x 1024
<b>Number of Allowable Unlit Pixels</b>	10	10
<b>Operating Environment</b>	0 to +40 degrees C, 90% Relative Humidity, Non-condensing	0 to +40 degrees C, 90% Relative Humidity, non-condensing
<b>Storage Environment</b>	-25 to +60 degrees C	-25 to +60 degrees C
<b>PHYSICAL FEATURES</b>		
<b>Physical Dimensions (WxHxD) (with Bezel)</b>	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
<b>Physical Dimensions (WxH) (without Bezel)</b>	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
<b>Display Area (WxH)</b>	304.1 x 228.1 mm 11.9 x 8.9 inches	337.9 x 270.3 mm 13.3 x 10.6 inches
<b>Video Cable Connector</b>	15 Pin D-Sub	15 Pin D-Sub
<b>Power Supply</b>	12V DC Power Supply	12V DC Power Supply
<b>Power Savings</b>	DPMS, VESA Compliant	DPMS, VESA Compliant
<b>Power Consumption</b>	20 Watts Normal	20 Watts Normal
<b>Backlight Life</b>	20,000 hrs.	17,000 hrs minimum
<b>Weight with Bezel</b>	4kg/8.8 lbs.	5.6kg/12.3 lbs
<b>Weight without Bezel</b>	3.3kg/7.3 lbs.	4.6kg/10.1 lbs
<b>Agency Approvals</b>	FCC B, CE, UL/cUL	FCC B, CE, UL/cUL
<b>Mounting Options</b>	2 sets of brackets, VESA 100 mm	2 sets of brackets, VESA 100 mm
<b>Warranty</b>	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](http://www.3Mtouch.com)

**Notice:** Given the variety of factors that can affect the use and performance of a 3M Touch Systems product, including that solid state equipment has operation characteristics different from electromechanical equipment, some of which factors are uniquely within User's knowledge and control, it is essential that User evaluate the 3M Touch Systems product to determine whether it is suitable for User's particular purpose and suitable for User's method of application. 3M Touch Systems' statements, engineering/technical information, and recommendations are provided for User's convenience, but their accuracy or completeness is not warranted. 3M Touch Systems products are not specifically designed for use in medical devices as defined by United States federal law. 3M Touch Systems products should not be used in such applications without 3M Touch Systems' express written consent. User should contact its sales representative if User's opportunity involves a medical device application.

**IMPORTANT NOTICE TO PURCHASER:** Specifications are subject to change without notice. 3M Touch Systems' Products are warranted to meet their published specifications from the date of shipment and for the period stated in the specification. **3M Touch Systems makes no additional warranties, express or implied, including but not limited to any implied warranties of merchantability or fitness for a particular purpose.** User is responsible for determining whether the 3M Touch Systems products are fit for User's particular purpose and suitable for its method of production, including intellectual property liability for User's application. If a Product is proven not to have met 3M Touch Systems' warranty, then 3M Touch Systems' sole obligation and User's and Purchaser's **exclusive remedy**, will be, at 3M Touch Systems' option, to repair or replace that Product quantity or to refund its purchase price. 3M Touch Systems has no obligation under 3M Touch Systems' warranty for any Product that has been modified or damaged through misuse, accident, neglect, or subsequent manufacturing operations or assemblies by anyone other than 3M Touch Systems. **3M Touch Systems shall not be liable in any action against it in any way related to the Products for any loss or damages, whether non-specified direct, indirect, special, incidental or consequential (including downtime, loss of profits or goodwill) regardless of the legal theory asserted.**

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