3M™ MicroTouch™ Display M1500SS

The Clear Choice for Optics, Durability, and Touch Stability

The 3M MicroTouch Display M1500SS (15”), a purpose-built, surface capacitive touch display, provides a cost-competitive touch alternative to 5-wire resistive display solutions. The display offers a stable base, highly durable touch screen, brilliant optics and a cable management system, all in an elegant and simple-to-use design. This display easily integrates into numerous point-of-sale, PC, and thin client systems making it ideal for applications requiring long life, 24/7 uptime, and the assurance of a 3-year “unlimited touches” warranty. Activated only by human touch, the M1500SS display eliminates inadvertent or false touches from jewelry, clothing, or handheld objects, making it the clear choice for applications where reliability is key.

The Clear Choice

The M1500SS display utilizes an all-glass surface capacitive touch sensor and proprietary 3M™ ClearTek™ Hard Coat to deliver superior durability, 91.5% light transmission, 225-nit brightness (with touchscreen), 500:1 contrast ratio, and an ultra-fast 5.4 millisecond touch response time.

Rock-solid Display Base

The M1500SS display is designed with touch in mind which results in rock-solid touch stability even under rapidly repeating and/or heavy tapping. Most displays that were not designed for touch can wobble and/or flex, potentially causing a double touch that can increase operator error and create an unsatisfactory customer experience. The M1500SS display has the flexibility to attach peripheral devices to the left or right of the display bezel and even maintains its touch stability when locked in position at display angles ranging from 0 to 60 degrees.

Cost-Effective

The M1500SS display employs an all-glass touch sensor that has no moving parts, unlike 5-wire resistive solutions that rely on compression of the film and conductive coatings to recognize touch. Since force is required to activate a resistive touch screen, it is susceptible to mechanical wear and the appearance of “Newton Rings” which can potentially reduce product life and optical performance. This rugged M1500SS touch display continues to operate in the presence of on-screen contaminants and carries 3-year “unlimited touch” warranty. In addition, 3M owns the design and tooling for the display thereby increasing control over the product life cycle and decreasing the possibility for an external change.



Recommended Applications

- Point of Sale (POS)
- Point of Service
- Kiosks
- Digital Signage
- Unattended Environments
- Point of Information (POI)
- Hospitality
- Financial

Feature	Benefit
All-Glass, One-Layer Solution	• Provides 91.5% light transmission as compared to 80% for certain 5-wire resistive solutions • Unaffected by UV light that can cause degradation of optics and yellowing of film-based touch sensors over time • No moving parts improves reliability • Inherently free from the appearance of “Newton Rings”
3M ClearTek Hard Coat	• Proprietary coating is uniformly heat infused into the glass creating a non-permeable barrier for increased scratch and chemical resistance • Low surface energy coating promotes smooth finger drag • Unaffected by surface contaminants
Total Touch Solution	• Unlike other touch display manufacturers that utilize 3rd party touch sensors, electronics, and or software in their design, 3M owns, understands, and warranties the entire system for an unlimited amount of touches for 3 years

MicroTouch™

3M

3M™ MicroTouch™ Display M1500SS Specifications

Functional

LCD Technology	TFT, Active Matrix
Display Colors	16.2 million
Pixel Pitch	.297 mm
Brightness without touch screen	250 cd/m2 (nit) typical
Brightness with touch screen (max.)[1]	225 cd/m2 (nit) typical
Contrast Ratio	500:1
Video Response Time	12 ms typical
Touch Response Time	5.4 ms typical
Viewing Angle (from center)**	Horizontal: ±70 degrees typical Vertical: ±70 degrees typical
Front Panel Buttons	Menu, Select, Adjust, Power
On Screen Display Controls	Brightness, Contrast, Horizontal/Vertical Position, Clock, Phase, Auto Phase, Color, Lockable OSD
Maximum Resolution	1024 x 768
Operating Environment	0 to 40 degrees C Relative Humidity, Non-condensing 85%
Storage Environment	-20 to +60 degrees C

Physical

Dimensions (WxHxD) (Depth includes base)	408 x 398.3 x 258.7 mm 16.1 x 15.7 x 10.2 inches
Display Area (WxH)	304.1 x 228.1 mm 12 x 9 inches
Video Cable Connector	15-pin D-sub
Power Supply	12V DC Power Supply
Power Savings[2]	DPMS, VESA Compliant
Power Consumption	<30W, Normal Operation
Backlight Life	40,000 hrs. typical
Weight (Net)	7.4 kg/16.3 lbs.
RoHS Compliant	Yes
Agency Approvals	FCC B, CE, UL/cUL, C-Tick, CCC
Mounting Options	VESA mounting compatible, 75mm
Multimedia	Full multimedia capability
Color Option	Black
Controller Option	Serial, USB
Warranty	3 years of unlimited touches

* * Measured at a contrast ratio of 5

(1) Brightness measured using3M MicroTouch Sensor SCT3250

(2) DPMS: Display power management signaling for reduced power consumption during non-use.



Key hole pattern in base allows bolt-down mounting.



Peripheral Attachment System allows use of multiple peripheral devices.

Standard Part Numbers

Part Number	Description
11-81375-225	USB
11-81375-227	Serial

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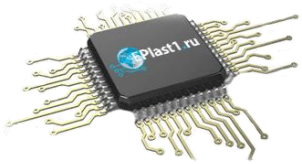
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- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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