3M[™] MicroTouch[™] Display C1500SS

The Clear Choice for Optics, Reliability, and Ease of Integration

The 3M MicroTouch Display C1500SS (15"), a robust metal chassis display using 3M's industry-standard surface capacitive touch technology, provides a durable, optically-enhanced, and cost competitive alternative to 5-wire resistive displays used in industrial automation equipment and kiosk enclosures. The C1500SS display offers multiple mounting options to make integration easy and a variety of bezel options for sealing against liquids and other contaminants. A remote on-screen display module helps simplify any changes to the display image during installation or system maintenance.

The Clear Choice

The C1500SS display utilizes an all-glass surface capacitive touch sensor with the proprietary 3M™ ClearTek™ Hard Coat to deliver superior durability, 91.5% light transmission, 225-nit brightness (with touch screen), 500:1 contrast ratio and an ultra-fast 5.4 millisecond touch contact time.

Multiple Mounting and Bezel Options

Multiple mounting and bezel options enable customers to meet their application needs at minimal cost. The C1500SS display offers a 75mm VESA pattern to provide arm mounting capability for industrial automation equipment. This minimizes the capital expenditure needed to upgrade equipment with touch. L-brackets (standard) or a VESA mounting bracket (optional) are available for installations requiring the touch display to be fully enclosed.

The C1500SS display offers three bezel options. The Slimline bezel is flush with the edges of the display and is ideal for arm-mounted applications. The Contour Flanged bezel provides a lip to cover the air gap between the touch display and the enclosure opening. These two plastic bezels are ideal for solutions that require a NEMA 1 seal rating. The Industrial Flanged bezel, a metal gasketed bezel, enables kiosks or others enclosures to support NEMA 4X / IP66 seal ratings.



Cost Effective

The C1500SS display uses an all-glass touch sensor with no moving parts, whereas 5-wire resistive solutions rely on compressing the top film layer against a conductive coating to recognize touch. Since force is required to activate a resistive touch sensor it is susceptible to mechanical wear and the appearance of "Newton Rings" which can potentially reduce product life and optical performance.

The C1500SS touch display operates reliably in the presence of on-screen contaminants and carries a 3-year "unlimited touches" warranty.

Recommended Applications

- Industrial Automation
- Self Service
- Hospitality
- Security Systems
- Point-of-Information (POI)
- Home Automation

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





3M[™] MicroTouch[™] Display C1500SS Specifications

Functional Features

LCD Technology TFT, Active Matrix
Display Colors 16.2 million
Pixel Pitch .297 mm

Brightness 250 cd/m² (nit) typical

without Touch Screen

Brightness 225 cd/m² (nit) typical

with Touch Screen (max.)1

Contrast Ratio 500:1 typical
Video Response Time 12 ms typical
Touch Response Time 5.4 ms typical

Viewing Angle² Horizontal: +/-75 degrees typical Vertical: +/-75 degrees typical

Control Type OSI

On Screen Display Controls Standard rear mounted controls.

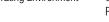
Optional remote unit.

Maximum Resolution 1024 x 768

Operating Environment 0 to +40 degrees C

Relative Humidity, non-condensing 90%

Storage Environment -20 to +60 degrees C



Physical Features

Physical Dimensions 350.4 x 277.3 x 50 mm (Enclosure) (WxHxD) 13.80 x 10.92 x 1.96 inches

Display Area (WxH) 304.1 x 228.1 mm 11.9 x 8.9 inches

Video Cable Connector 15 Pin D-Sub

Power Supply Internal 12V DC Power Supply
Also accepts 110/220V AC

Power Savings DPMS, VESA Compliant

Power Consumption <25 watts normal operation

Backlight Life 50,000 hrs. typical Weight 4.2kg/9.2 lbs.

RoHS Compliant Yes

Agency Approvals FCC B, CE, UL/cUL

Mounting Options Set of 2, side or top/bottom mounting

brackets, VESA 75 mm

Warranty 3 years. unlimited touches

(1) Brightness measured on a display with 3M* MicroTouch* Sensor SCT3250 surface capacitive sensor (2) Measured at a contrast ratio of 5.

NOTE: Mechanical Drawings available at www.3m.com/touch



Slimline Bezel (Included with standard product) 350.4 x 277.3 mm 13.80 x 10.92 inches



Contour Flanged Bezel Option

(Part number: 29369) 377.8 x 301.8 mm 14.87 x 11.88 inches



Optional Remote On-screen Display Module (Part number: 30114)



Optional Heavy Duty Mounting Bracket (Part number: 30113)



Industrial Flanged Bezel Option (Part number: 29368) 411.0 x 316.9 mm 16.18 x 12.48 inches

Standard Part Numbers

Part Number	Description
11-71315-225-01	USB with Slimline Bezel
11-71315-227-01	Serial with Slimline Bezel
11-71315-225-03	USB with Contour Bezel

3M Touch Systems

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1-888-659-1080 www.3M.com/touch belief based on information provided by third party suppliers to 3M. (9/06)

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