

# 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 | <ul style="list-style-type: none"> <li>• Provides 91.5% light transmission as compared to 80% for certain 5-wire resistive solutions</li> <li>• Unaffected by UV light that can cause degradation of optics and yellowing of film-based touch sensors over time</li> <li>• No moving parts improves reliability</li> <li>• Inherently free from the appearance of "Newton Rings"</li> </ul> |
| 3M ClearTek Hard Coat         | <ul style="list-style-type: none"> <li>• Proprietary coating is uniformly heat infused into the glass creating a non-permeable barrier for increased scratch and chemical resistance</li> <li>• Low surface energy coating promotes smooth finger drag</li> <li>• Unaffected by surface contaminants</li> </ul>   |
| Total Touch Solution          | <ul style="list-style-type: none"> <li>• 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</li> </ul>  |

# 3M™ MicroTouch™ Display C1500SS Specifications

## Functional Features

|  |  |
|--|--|
| LCD Technology                                   | TFT, Active Matrix   |
| Display Colors                                   | 16.2 million   |
| Pixel Pitch                                      | .297 mm  |
| Brightness without Touch Screen                  | 250 cd/m <sup>2</sup> (nit) typical                                  |
| Brightness with Touch Screen (max.) <sup>1</sup> | 225 cd/m <sup>2</sup> (nit) typical                                  |
| Contrast Ratio                                   | 500:1 typical  |
| Video Response Time                              | 12 ms typical  |
| Touch Response Time                              | 5.4 ms typical   |
| Viewing Angle <sup>2</sup>                       | Horizontal: +/-75 degrees typical<br>Vertical: +/-75 degrees typical |
| Control Type                                     | OSD  |
| On Screen Display Controls                       | Standard rear mounted controls.<br>Optional remote unit.             |
| Maximum Resolution                               | 1024 x 768   |
| Operating Environment                            | 0 to +40 degrees C<br>Relative Humidity, non-condensing 90%          |
| Storage Environment                              | -20 to +60 degrees C   |

## Physical Features

|   |  |
|---|--|
| Physical Dimensions (Enclosure) (WxHxD) | 350.4 x 277.3 x 50 mm<br>13.80 x 10.92 x 1.96 inches       |
| Display Area (WxH)                      | 304.1 x 228.1 mm<br>11.9 x 8.9 inches                      |
| Video Cable Connector                   | 15 Pin D-Sub   |
| Power Supply Internal                   | 12V DC Power Supply<br>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](http://www.3m.com/touch)



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



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



**Contour Flanged Bezel Option**  
(Part number: 29369)  
377.8 x 301.8 mm  
14.87 x 11.88 inches



**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**  
Subsidiary of 3M Company  
501 Griffin Brook Park Drive  
Methuen, MA 01844  
U.S.A.  
1-888-659-1080  
[www.3m.com/touch](http://www.3m.com/touch)

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- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

**Телефон:** 8 (812) 309 58 32 (многоканальный)

**Факс:** 8 (812) 320-02-42

**Электронная почта:** [org@eplast1.ru](mailto:org@eplast1.ru)

**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.