The 22-inch 3M™ MicroTouch™ Display C2234SW, a robust metal chassis display using 3M’s industry-standard surface capacitive touch technology, provides a durable, optically-enhanced, and engaging large form factor display for use in industrial automation equipment and kiosk enclosures. The C2234SW display offers multiple mounting options to make integration easy. A remote on-screen display module helps simplify any changes to the display image during installation or system maintenance.

The Clear Choice
The C2234SW display has an all-glass 3M surface capacitive touch sensor with proprietary 3M™ ClearTek™ Hard Coat to deliver superior durability, 91.5% light transmission, 225-nit brightness (with touch screen), 1000:1 contrast ratio and an ultra-fast 5.4 millisecond touch contact time. The C2234SW display operates reliably in the presence of on-screen contaminants and carries a 3-year “unlimited touches” warranty.

Multiple Mounting Options
Multiple mounting options enable customers to meet their application needs at minimal cost. The C2234SW display offers a 100mm 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) are available for installations that require the touch display to be fully enclosed.

Total Touch Solution
3M manufactures the entire touch system (sensor, electronics, and drivers) and owns the production tools for manufacturing the C2234SW chassis in order to deliver a complete touch display system that is truly designed for touch. The dual mode touch controller provides the user flexibility to choose between USB HID or Serial communication protocol at the time of installation. Since 3M owns the production tools for the C2234SW the product lifecycle can be controlled to ensure product continuity.

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

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<th>Feature</th>
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| 3M™ MicroTouch™ SCT System | - All glass solution provides 91.5% light transmission delivering superior optical performance  
                              - Dedicated ASIC creates ultrafast 5.4 millisecond touch response |
| 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 three years |
### Functional Specifications

**Display Details**

- **LCD Technology**: TFT, Active Matrix
- **Display Colors**: 16.7 million
- **Pixel Pitch**: .282 x .282mm
- **Brightness**
  - Without touch sensor: 250 cd/m² (nit) typical
  - With touch sensor: 225 cd/m² (nit) typical
- **Contrast Ratio**: 1000:1 typical
- **Viewing Angle**
  - Horizontal: 170 degrees typical
  - Vertical: 160 degrees typical
- **Video Response Time**
  - 5 ms typical
- **Control Type**: OSD
- **Native Resolution**: 1680x1050

**Touch Details**

- **Touch Point Speed**: 5.4 ms
- **Input Type**: Finger
- **Touch Communication**: USB and RS232 (Serial)
- **Operating System Support**: Windows 7/Vista/XP, Linux, Mac OS

### Physical Specifications

**Product Details**

- **Operating Environment**: 0 to +40 degrees C
- **Relative Humidity, non-condensing**: 90%
- **Storage Environment**: -10 to +60 degrees C
- **Video Input**: DVI and VGA
- **Multimedia Audio input**, **3 watt audio output**
- **VESPA Pattern**: 100mm x 100mm
- **Power Supply**: 12 VDC Power Supply (external)
- **Power Consumption**: 40 watts maximum
- **RoHS Compliant**: Yes
- **Agency Approvals**: FCC-B, CE, TUV, CCC
- **Warranty**: 3 years

**Dimensions and Weight**

- **Physical (WxHxD)**: 500.0 x 328.4 x 51.87 mm
  - 19.7 x 12.9 x 2.0 inches
- **Display Area (WxH)**
  - (viewing area): 473.8 x 296.1 mm
  - 18.7 x 11.7 inches
- **Packaging (WxHxD)**: 610 x 490 x 194 mm
  - 24.0 x 19.3 x 7.6 inches
- **Display weight**: 6.4 kg / 14.0 lb
- **Packaging/Display weight**: 12 kg / 26.4 lb

**Part Number**

98-0003-3598-8

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RoHS Directive compliant: In accordance with European Directive 2002/95/EC, “RoHS Directive compliant” means that the product or part does not contain any of the following substances in excess of the following maximum concentration values in any homogeneous material, unless the substance is in an application that is exempt under RoHS: (a) 0.1% (by weight) for lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers; or (b) 0.01% (by weight) for cadmium. Unless otherwise stated by 3M in writing, this information represents 3M’s knowledge and belief based on information provided by third party suppliers to 3M. (9/06)

IMPORTANT NOTICE TO PURCHASER: Specifications are subject to change without notice. These 3M Touch Systems’ Products and software 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 and software are fit for User’s particular purpose and suitable for its method of production, including intellectual property liability for User’s application. If the Product, software or software media 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 software media to refund its purchase price. 3M Touch Systems has no obligation under 3M Touch Systems’ warranty for any Product, software or software media 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 or software 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. (7/02)