Introducing the

3M™ Display M2256PW

The 22-inch Multi-touch Display for Professional Applications

The 22-inch 3M™ Display M2256PW, featuring industry-leading technology from its fast 20-finger multi-touch input to its high-definition, wide viewing-angle LCD, delivers revolutionary performance designed to exceed the requirements of the most demanding professional applications.

The 3M Display M2256PW display incorporates 3M Projected Capacitive Technology and offers full multi-touch capabilities with less than 6 millisecond response time for 20 simultaneous touches. This means fast, accurate touch response over the entire touch surface.

Traditional multi-touch solutions often work with 2-finger control, while full multi-touch from 3M allows users and developers to experience 20-finger interactions. These interactions combined with unmatched touch precision, accuracy and speed is transforming the way people interact with technology.

The 3M Display M2256PW, 3M’s first product to combine the revolutionary 3M Projected Capacitive Technology with a high-definition LCD display, creates an superior user experience for applications ranging from single and multi-user digital signage to collaborative networking to urban planning and solid modeling.

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<thead>
<tr>
<th>Feature</th>
<th>Benefit</th>
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<tbody>
<tr>
<td>Full Multi-touch Capabilities</td>
<td>Up to 20 finger input</td>
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<td>Fast 6 millisecond touch response for all 20 finger input</td>
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<td>Compatible with Windows 7</td>
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<td>Precision touch response</td>
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<td>Supports standard gestures</td>
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<td>Projected Capacitive Sensing</td>
<td>Glass front surface for durability</td>
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<td>Highly sensitive / Light touch</td>
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<td>Works with nitrile, latex and vinyl</td>
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<th>Feature</th>
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<tr>
<td>High-definition Display</td>
<td>1680x1050 resolution</td>
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<td>Wide horizontal/vertical viewing angle allows outstanding off-axis viewing</td>
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<td>Excellent image contrast provides sharp brilliant image quality</td>
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<td>Superior optical performance</td>
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<td>Can be used in a variety of applications allows outstanding off-axis viewing</td>
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Recommended Applications

- Computer Aided Design
- Digital Signage
- Security Monitoring Systems
- Education and Training
- Telecommunications
- DOOH Marketing

3M
### Functional Specifications

**Display Details**
- **LCD Technology**: P-MVA (wide angle viewing technology)
- **Display Colors**: 16.7 million
- **Pixel Pitch**: .282 x .282mm
- **Brightness**
  - without touch sensor: 300 cd/m² (nit) typical
  - with touch sensor (max.): 260 cd/m² (nit) typical
- **Contrast Ratio**: 1000:1 typical
- **Viewing Angle**
  - Horizontal/Vertical: +/-178 degrees typical
- **Video Response Time**: 8 ms typical
- **Control Type**: OSD
- **Native Resolution**: 1680x1050

**Touch Details**
- **Touch Point Speed**: < 6ms for 20-point multi-touch response
- **Input Type**: Finger, thin glove
- **Touch Communication**: Auto detecting, USB and RS232 (Serial)
- **Operating System Support**: Windows XP/Vista/7, Linux, Mac OS
- **Microsoft certifications**: Windows 7 AQ

(1) Brightness measured on a display with 3M™ Projected Capacitive sensor.
(2) Measured at a contrast ratio of 10.
(3) Gray to Gray

### 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 (HDCP) and VGA
- **Multimedia**: Audio input, 3 watt audio output
- **VESA**: 100mm x 100mm
- **Power Supply**: Internal 110/220 VAC Power Supply
- **Power Consumption**: 70 watts maximum
- **RoHS Compliant**: Yes
- **Agency Approvals**: FCC-B, CE, TUV
- **Warranty**: 1 Year

### Dimensions and Weight
- **Physical (WxHxD)**: 513.2 x 337.8 x 60.2 mm
  - 20.2 x 13.3 x 2.4 inches
- **Display Area (WxH)**: 473.8 x 296.1 mm
  - (viewing area) 18.7 x 11.7 inches
- **Packaging (WxHxD)**: 635.0 x 508.0 x 273.05 mm
  - 25.0 x 20.0 x 10.75 inches
- **Display weight**: 8.4 kg / 18.5 lb
- **Packaging/Display weight**: 11.0 kg / 24.25 lb

**Part Number**: 98-0003-3512-9

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**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 mediator 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)

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