The 3M™ Multi-Touch Display C3266PW is engineered by 3M as a fully-integrated 32” multi-touch display that combines cutting-edge 3M Projected Capacitive Touch Technology (3M PCT) with a stunning industrial grade, full high-definition, 120Hz LCD display to create the ultimate user interface. This large format multi-touch capability enables true multi-user interaction for cutting edge collaborative and interactive applications, allowing developers to create a more natural, intuitive and responsive user experience when compared to infrared-based and optical-based systems. The C3266PW display is supplied with a robust bezel for interactive digital signage solutions or the bezel can be removed to create modern flat front surface interactive tables and kiosk solutions.

Precision Large-format Multi-Touch
In addition to delivering fast multi-touch response, 3M touch electronics have advanced built-in palm rejection algorithm to help ensure that unintended contact with the screen is ignored and does not interfere with the user’s intended action. The design of the projected capacitive sensor has more than 6000 touch sensing points in close proximity, making it precise and extremely accurate across the entire touchscreen. 3M PCT’s durable glass surface has unique anti-stiction properties that greatly reduces surface friction and allows users’ fingers to effortlessly glide across the display for easy gesture functions. This fast, accurate, and easy-to-use multi-touch screen enables customers to create, deliver and experience innovative and engaging multi-user applications.

Industrial Grade Designed for Multi-Touch Interaction
The C3266PW display has been designed from the ground up to meet the unique requirements of a large format multi-touch display. Unlike televisions or digital signs, an interactive multi-touch display draws users in close proximity to the LCD. To maintain sharp image quality at close distances and brilliant content at any angle, the C3266PW display features a full HD 1080p resolution LCD with an ultra-wide 178 degree viewing angle. Even with dynamic content, the display maintains smooth motion transitions with the 120Hz refresh rate, which is two times faster than the industry standard of 60Hz. An advanced thermal management system is designed to keep the touch surface at a comfortable temperature for the user and to promote robust 24/7 performance of critical electronic components.

Recommended Multi-Touch Applications
- Retail Product Selectors
- Casino Gaming
- Wayfinding
- Security Monitoring Systems
- Training and Simulation
- Telepresence
- Digital Signage
- Arcade Gaming
- Point of Information
- Pro Audio/Visual
- Geospatial
- Broadcast

Every element of the of the C3266PW display is designed to simplify system level integration while meeting the demanding needs of a public environment. The LED backlight system allows integrators to mount the display in landscape, portrait or horizontal orientations without concern of non-uniformity that CCFL systems can exhibit. At just 2.6” deep and 28 lbs, the C3266PW display can be a sleek wall-mounted interactive digital sign or a slim interactive table or kiosk. The chemically-strengthened all glass surface provides breakage resistance, while the printed black border allows designers to create modern flat front surface kiosks and tables.

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<tr>
<th>Feature</th>
<th>Benefit</th>
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<tbody>
<tr>
<td>3M PCT Multi-Touch Technology</td>
<td>- 40 finger multi-touch input with palm rejection capability enables engaging single and multiple user interactions</td>
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<td>- Fast 10 millisecond touch response (for 20 touches) creates a natural, intuitive and responsive interface</td>
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<td>- Anti-stiction surface enhances the user experience for simple and advanced gestures</td>
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<td>Premium Display Technology</td>
<td>- Full HD resolution with fine pixel pitch maintains sharp image quality while performing up-close interactions</td>
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<td>- 120Hz refresh rate keeps content crisp and clear while users interact</td>
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<td>- Ultra-wide viewing angle presents a brilliant image at any angle</td>
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<td>- LED backlights present a long lasting, bright, uniform image regardless of integrated orientation</td>
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<td>Versatile Product Design</td>
<td>- Ultra-slim (2.6” deep) and lightweight (28 lbs) display enables designers to create compelling multi-touch applications</td>
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<td>- Advanced thermal system to maintain comfortable touch screen temperature</td>
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<td>- Chemically-strengthened glass construction enables modern durable flat front surface designs</td>
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<td>- Fully integrated multi-touch display simplifies implementation of multi-touch into product portfolio</td>
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<td>- Robust Bezel for wall mounting or remove bezel for modern flat front surface integrations</td>
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### Functional Specifications

**Display Details**

- **LCD Technology**: IPS (In Plane Switching)
- **Display Colors**: 1.06 billion
- **Pixel Pitch**: .364 x .364mm
- **Brightness with touch sensor (max.)(1)**: 360cd/m² (nit) typical
- **Brightness with touch sensor (max.)**: 313 cd/m² (nit) typical
- **Contrast Ratio (2)**: 1400:1 typical
- **Viewing Angle**: Horizontal/Vertical: 178 degrees typical
- **Video Response Time (3)**: 10 ms typical
- **Refresh Rate**: 120Hz
- **Control Type**: OSD, RS-232
- **Native Resolution**: 1920x1080

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

**Touch Details**

- **Number of Touch Points**: 40 points with palm rejection
- **Touch Point Speed (4)**: 10 milliseconds
- **Input Type**: Finger, thin glove
- **Touch Communication**: Auto detecting, USB and RS232 (Serial)
- **Operating System Support**: Windows 8 / 7/ Vista / XP, Linux, Mac

(4) up to 20 touches

### Physical Specifications

**Product Details**

- **Operating Environment**: 0 to +40 degrees C, relative humidity, non-condensing 85%
- **Storage Environment**: -10 to +60 degrees C
- **Video Input**: DVI, VGA, HDMI (HDCP), DisplayPort (HDCP)
- **Audio**: 5w + 5w @ 8Ω
- **VESA Pattern**: 200mm x 200mm
- **Power Supply**: Internal 110/220 VAC Power Supply
- **Power Consumption**: 165 watts maximum
- **RoHS Compliant**: Yes
- **Agency Approvals**: FCC-B, CE, TUV
- **Warranty**: 1 year on touch display

**Dimensions and Weight**

- **Physical Dimensions (outer)**: 759 x 454 x 66 mm
- **Display Area (WxH)**: 698.40 x 392.85 mm
- **Packaging Area (WxHxD)**: 850 x 683 x 211 mm
- **Display weight**: 12.70 kg / 28 lbs
- **Packaging/Display weight**: 17.5 kg / 38.6 lbs

**Ordering Information**

- **Part Number**: 98-0003-3695-2

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**ReRoHS Directive compliant**: RoHS 2011/65/EU means that the product or part does not contain any of the substances in excess of the maximum concentration values (“MCVs”) in EU RoHS Directive 2011/65/EU, unless the substance is in an application that is exempt under EU RoHS. The MCVs are by weight in homogeneous materials. This information represents 3M’s knowledge and belief, which may be based in whole or in part on information provided by third party suppliers to 3M. (3/13)

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