3M™ Multi-Touch Display C3266PW

Large Multi-Touch Display Delivers Ultimate User Experience

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. 3M PCT delivers 10 simultaneous touches at an ultra-fast 10 millisecond response time while rejecting palms, 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 ideal for interactive digital signage, interactive tables, and kiosk solutions by providing system architects with a high performance, easy to integrate, professional multi-touch display.

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

Engaging Large-format Multi-Touch Experience

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 the C3266PW display features a full HD 1080p resolution LCD. Even with dynamic content, the display maintains smooth motion transitions with the 120Hz refresh rate, which is two times faster than the industry standard (60Hz). As multiple users interact with the multi-touch display, especially in a horizontal table top position, the ultra-wide 178 degree viewing angle will ensure all users experience the same brilliant content while the 450nit brightness and 1300:1 contrast ratio present crisp text and deeper blacks. An advanced thermal management system ensures the touch surface is at a comfortable temperature for the user.

Versatile Implementations to Fit Your Application

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 26 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.

Feature	Benefit
3M PCT Multi-Touch Technology	• 10 finger multi-touch input with palm rejection capability enables engaging single and multiple user interactions • Fast 10 millisecond touch response creates a natural, intuitive and responsive interface • Anti-stiction surface enhances the user experience for simple and advanced gestures
Premium Display Technology	• Full HD resolution with fine pixel pitch maintains sharp image quality while performing up-close interactions • 120Hz refresh rate keeps content crisp and clear while users interact • Ultra-wide viewing angle presents a brilliant image at any angle • LED backlights present a long lasting, bright, uniform image regardless of integrated orientation
Versatile Product Design	• Ultra-slim (2.6" deep) and lightweight (26 lbs) display enables designers to create compelling multi-touch applications • Advanced thermal system to maintain comfortable touch screen temperature • Chemically-strengthened glass construction enables modern durable flat front surface designs • Fully integrated multi-touch display simplifies implementation of multi-touch into product portfolio

3M™ Multi-Touch Display C3266PW Specifications

PRELIMINARY

Functional Specifications

Display Details

LCD Technology	IPS (In Plane Switching)
Display Colors	1.06 billion
Pixel Pitch	.364 x .364mm
Brightness	450 cd/m2 (nit) typical
with touch sensor (max.)	405 cd/m2 (nit) typical
Contrast Ratio	1300:1 typical
Viewing Angle	Horizontal/Vertical: 178 degrees typical
Video Response Time	5 ms typical
Refresh Rate	120Hz
Control Type	OSD
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	10 points with palm rejection
Touch Point Speed	10ms
Input Type	Finger, thin glove
Touch Communication	Auto detecting, USB and RS232 (Serial)
Operating System Support	Windows 7/ Vista / XP, Linux

Physical Specifications

Product Details

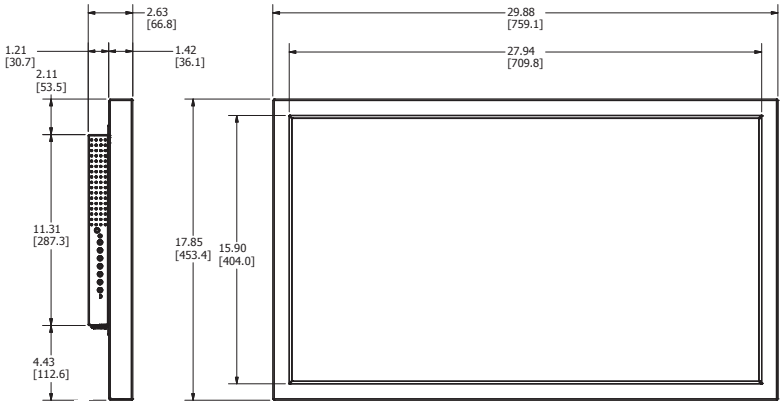
Operating Environment	0 to +40 degrees C, relative humidity, non-condensing 90%
Storage Environment	-10 to +60 degrees C
Video Input	DVI, VGA, HDMI
VESA Pattern	200mm x 200mm
Power Supply	Internal 110/220 VAC Power Supply
Power Consumption	100 watts maximum
RoHS Compliant	Yes
Agency Approvals	FCC-B, CE, TUV, CCC
Warranty	1 Year

Dimensions and Weight

Physical (WxHxD)	759.1 x 453.4 x 66.8 mm 29.9 x 17.9 x 2.6 inches
Display Area (WxH) (viewing area)	698.40 x 392.85 mm 27.5 x 15.5 inches
Packaging (WxHxD)	918.21 x 596.90 x 205.74 mm 36.15 x 23.5 x 8.1 inches
Display weight	12.70 kg / 28 lbs
Packaging/Display weight	18.6 kg / 41 lbs

Part Number	98-0003-3695-2

Clearly labeled, easy access OSD controls



Wide variety of connections

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