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, 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	• Digital Signage
• Casino Gaming	• Arcade Gaming
• Wayfinding	• Point of Information
• Security Monitoring Systems	• Pro Audio/Visual
• Training and Simulation	• Geospatial
• Telepresence	• 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.

Feature	Benefit
3M PCT Multi-Touch Technology	• 40 finger multi-touch input with palm rejection capability enables engaging single and multiple user interactions • Fast 10 millisecond touch response (for 20 touches) 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 (28 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 • Robust Bezel for wall mounting or remove bezel for modern flat front surface integrations.

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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 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
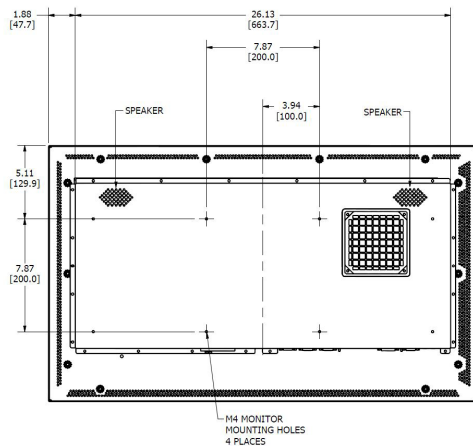
Physical Specifications

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 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)	850 x 683 x 211 mm 33.46 x 26.89 x 8.31 inches
Display weight	12.70 kg / 28 lbs
Packaging/Display weight	17.5 kg / 38.6 lbs

Ordering Information

Part Number	98-0003-3695-2

On Screen Display (OSD) Panel

Audio (in/out)   VGA   DVI   HDMI   DisplayPort   Serial (in/out)   Serial Touch   USB Touch   AC Input   On/Off

Connections

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