

3M™ Multi-Touch Display C2167PW

Commercial-Grade Chassis for Full Multi-Touch Applications

The 21.5-inch **3M™ Multi-Touch Display C2167PW** takes interactive technology to the next level by combining uncompromising multi-touch performance, brilliant high-definition graphics, ultra-wide viewing angles and flat front surface product design into a fully integrated, commercial grade multi-touch chassis device.

Uncompromising Multi-touch Performance

The C2167PW chassis features 3M's innovative Projected Capacitive (3M PCT) technology that delivers high performance "full multi-touch" capabilities. By recognizing up to 20 simultaneous touch events, each at an ultra-fast 8-millisecond response rate, the system delivers a more natural user experience when compared to single- and dual-touch systems. The design of the projected capacitive sensor has more than 3100 touch sensing points in close proximity, making it precise and very accurate across the entire touchscreen.

3M PCT's durable glass surface has anti-stiction properties that greatly reduces surface friction and allows users' fingers to effortlessly glide across the multi-touch display for easy gesture functions. This fast, accurate and easy-to-use multi-touch interface creates a more natural, intuitive and responsive user interaction that results in a truly inspired experience.

Commercial Grade Design for Multi-touch Interaction

The C2167PW chassis was designed to meet the demanding needs of public environments while being versatile enough to easily integrate into custom enclosures. The all-steel construction provides a rugged metal frame to securely mount into enclosures. Multiple mounting methods (100mm VESA mount and side brackets) are designed to ensure a proper fit in both horizontal and vertical orientations. In addition to being extremely durable, this chassis also features a stylish flat front surface design that makes it an attractive addition to any professional or retail environment. This bezel-free design also provides an easy-to-clean surface while eliminating the dust and debris build up at the edge and corners of the display.

Optimal Display for Multi-touch Interaction

The high-definition, high-contrast LED backlit display provides impressive picture quality for vibrant, true-to-life graphics, dynamic full HD



Recommended Multi-Touch Applications

- Kiosks
- Gaming and Amusement
- Point of Information
- Audio Visual
- Industrial Automation
- Digital Signage
- Self Service
- Exhibits and Events
- Media and Broadcast
- Training and Simulation

(1920x1080) video content and crisp, clear images. The C2167PW chassis delivers brilliant images from nearly every angle with its ultra-wide viewing angle (178 degree viewing in both vertical and horizontal directions). Since typical chassis mount applications are fixed, the ultra-wide viewing angle will help create an immersive experience regardless of the user's height or position relative to the display and regardless of the orientation of the display (portrait or landscape). As multiple users interact with the multi-touch display, especially in a horizontal or tabletop position, the ultra-wide viewing angle will ensure that all users experience the same brilliant content. To ensure the image quality is not compromised in strong ambient lighting environments, this display features an anti-glare coating. This anti-glare coating is essential in public environments as these spaces typically have overhead fluorescent lights.

Feature	Benefit
3M PCT Multi-Touch Technology	<ul style="list-style-type: none">• 20-touch multi-touch performance for intuitive on-screen collaboration• Ultra-fast 8 ms touch response for advanced multi-touch applications• Anti-stiction surface enhances the user experience for simple and advanced gestures
Commercial Grade Design	<ul style="list-style-type: none">• All steel construction provides rugged frame for public use environments• Multiple mounting options for ease of installation• Flat front surface design for elegant modern aesthetics• Eliminates dust and debris build up at the edge and corners of the display• Anti-glare coating helps maintain image quality even in bright lighting environments
Premium Display for Multi-Touch Applications	<ul style="list-style-type: none">• 1920x1080 full high definition resolution for vivid realistic images• Ultra-wide horizontal/vertical viewing angle presents a brilliant image at any angle• LED backlights deliver a long lasting, bright, uniform image regardless of integrated orientation



3M™ Multi-Touch Display C2167PW Specifications

Functional Specifications

Display Details

LCD Technology	IPS (In Plane Switching) PMVA (Premium Multi-domain or Vertical Alignment)
Backlight	LED
Aspect Ratio	16:9
Display Colors	16.7 million
Pixel Pitch	.248 x .248mm
Brightness	250 cd/m2 (nit) typical
with touch sensor (max.)(1)	225 cd/m2 (nit) typical
Contrast Ratio (2)	1000:1 typical
Viewing Angle	Horizontal/Vertical: 178 degrees typical
Video Response Time (3)	16 ms typical
Refresh Rate	60Hz
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	20 points with palm rejection
Touch Point Speed	8 milliseconds
Input Type	Finger, thin glove
Touch Communication	USB
Operating System Support	Windows 8 / 7 / Vista / XP, Linux, Mac

Physical Specifications

Product Details

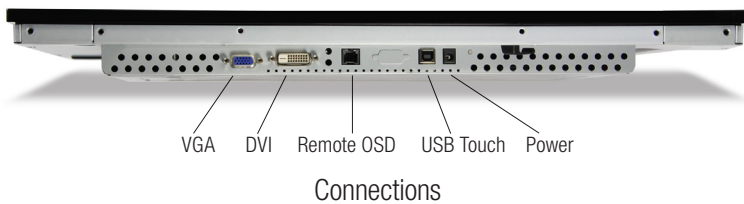
Operating Environment	0 to +40 degrees C, relative humidity, non-condensing 80%
Storage Environment	-20 to +60 degrees C
Video Input	DVI-D, VGA
VESA Pattern	100mm x 100mm
Power Supply	External, 110/220 VAC Power Supply
Power Consumption	27 watts (maximum)
RoHS Compliant	Yes
Agency Approvals	FCC-B, CE, TUV
Warranty	1 year on touch display

Dimensions and Weight

Physical (WxHxD)	520.8 x 315.8 x 46.0 mm
(viewing area)	20.5 x 12.4 x 1.8 inches
Display Area (WxH)	476.06 x 267.79mm
(viewing area)	18.74 x 10.54 inches
Packaging (WxHxD)	610 x 405 x 160mm
	24.0 x 15.9 x 6.3 inches
Display weight	5.7 kg / 12.6 lbs
Packaging/Display weight	8.7 kg / 19.2 lbs

Ordering Information

Part Number	98-0003-4242-2
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OSD



Flat Front Surface

3M Touch Systems

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