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# 3M™ Multi-Touch Display C5567PW

## Large Format Display with Truly Uncompromised Touch

The interactive 55-inch **3M™ Multi-Touch Display C5567PW** features 3M's high-performance projected capacitive (3M PCT) multi-touch technology and sophisticated bezel-free display design to offer users a truly uncompromised touch experience. The C5567PW chassis display delivers 60 simultaneous touches over 1,200 square inches of interactive surface area, at an ultra-fast 10 ms response time, to enable designers to create multi-user experiences that are more natural, intuitive and responsive when compared to infrared- and optical-based systems. Versatile enough for interactive digital signage, interactive tables and kiosk solutions, the C5567PW provides system architects with a high-performance, easy-to-integrate commercial display for innovative multi-touch solutions.



### Precision Large-format Multi-Touch

In addition to delivering 60 simultaneous touches at a 10 ms response time, the 3M touch electronics have an advanced built-in palm rejection algorithm to 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 18,600 touch sensing points in close proximity, making it precise and extremely accurate across the entire touchscreen. The durable 4mm tempered glass touch surface provides an antiglare first surface to ensure excellent image clarity in environments with bright ambient light. Its anti-stiction properties provide excellent finger glide capability, allowing 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 C5567PW display has been designed from the ground up to meet the unique requirements of a large format multi-touch display. The all steel construction and durable glass surface is designed to stand up to unattended public installations. 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 C5567PW display features a full 1080p HD LCD, wide viewing angles and fine pixel pitch of .21 x .63mm. An advanced thermal management system with replaceable 3M air filters ensures the touch surface is maintained at a comfortable

### Recommended Multi-Touch Applications

- Interactive Digital Signage
- Transportation
- Wayfinding
- Command and Control
- Training and Simulation
- Tele-presence
- Retail Product Selectors
- Ticketing/Vending
- Point of Information
- Pro Audio/Visual
- Geospatial
- Broadcast

temperature for the user, even in a horizontal table implementation, and promotes "always on" performance of critical electronic components. The glass-to-the-edge bezel-free design mirrors the design trends popular on modern consumer devices and makes it an elegant addition to any commercial or professional environment.

Every element of the C5567PW is designed to enable integrators to configure the display in almost any orientation while meeting the demanding needs of public environments. The LED backlight system allows integrators to implement in landscape, portrait or horizontal orientations without concern of non-uniformity that CCFL systems can exhibit. At just 2.9" deep the C5567PW can be a sleek wall mounted interactive digital sign or a slim interactive table or kiosk.

Feature	Benefit
3M PCT Multi-Touch Technology	<ul style="list-style-type: none"><li>• 60 finger multi-touch input enables intuitive on-screen collaboration</li><li>• Fast &lt;10 millisecond touch response creates a natural, intuitive and responsive interface</li><li>• Advanced palm rejection algorithms help prevent unintended touches that commonly occur in table applications</li><li>• Anti-stiction surface enhances the user experience for simple and advanced gestures</li></ul>
Sophisticated and Durable Design	<ul style="list-style-type: none"><li>• Flat front surface design built in for elegant modern aesthetics</li><li>• Slim 2.9" thickness provides sleek low profile appearance while enabling easy integration on wall, table or enclosure</li><li>• All metal construction provides rugged frame for public use environments</li><li>• Advanced thermal management system designed to keep display cool to the touch in tabletop and enclosure installations</li><li>• Active cooling system with replaceable 3M air filters ensures a cool touching surface regardless of orientation and all but eliminates dust from entering the display</li></ul>
Premium Display for Multi-Touch Applications	<ul style="list-style-type: none"><li>• Anti-glare coating to maintain image quality under harsh ambient lighting</li><li>• Full HD resolution (1920x1080) with a fine pixel pitch to maintain sharp image quality while performing up-close interactions</li><li>• Ultra-Wide viewing angle presents a brilliant image at most angles</li><li>• LED Backlights present a long lasting, bright, uniform image regardless of integrated orientation</li><li>• Support for remote display controls through RS-323 ports</li><li>• Supports many leading active pens and conductive styli</li></ul>



# 3M™ Multi-Touch Display C5567PW Specifications

## Functional Specifications

### Display Details

LCD Technology	AMVA3
Display Colors	1.07 billion
Pixel Pitch	0.21 x 0.63mm
Brightness	700 cd/m2 (nit) typical
with touch sensor (max.) (1)	610 cd/m2 (nit) typical
Contrast Ratio (2)	4000:1 typical
Viewing Angle	Horizontal/Vertical: 178 degrees typical
Video Response Time (3)	6.5 ms typical
Refresh Rate	60Hz
Control Type	OSD
Native Resolution	1920 x 1080

(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	60 points with palm rejection
Touch Point Speed (4)	<10 ms
Input Type	Finger, think glove, many leading active pens and conductive styli
Touch Communication	USB
Operating System Support	Windows 8 / 7 / Vista / XP, Linux, Mac

(4) Up to 20 touches.

## Connections



Power      USB (touch)      OSD      In      Out      DP      HDMI      DVI      VGA      Out In  
RS-232      Audio

## 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, DP (HDCP)
Audio	Speaker: 5W + 5W @ 8Ω Headphone: 20mW + 20mW @ 32Ω
Cover Glass	4mm Heat Tempered
VESA Pattern	400mm x 400mm
Power Supply	Internal 110/220 VAC Power Supply
Power Consumption	150 watt (maximum)
RoHS Compliant	Yes
Agency Approvals	FCC-B, CE, cTUVus (IEC 60950), C-TICK
Warranty	1 year

### Dimensions and Weight

Display Area (WxH) (viewing area)	1209.6 x 680.4mm 47.6 x 26.8 inches
Display Dimensions (outer)	1280 x 750 x 73.5mm 50.4 x 29.5 x 2.9 inches
Packaging (WxHxD)	1472 x 896 x 256mm 57.9 x 35.3 x 10.1 inches
Display weight	39kg / 85.98 lbs
Packaging/Display weight	46kg / 101.5 lbs

### Accessories

Included in the Box	Video Cables: VGA, HDMI, DisplayPort, DVI, USB, S232 Cable, US Power Cable, Audio Cable, Touch CD, Quick Start Guide
Sold Separately	Wired OSD Controller (98-1100-0330-2)
Replacement Air Filters	3M Replacement Filters (98-1100-0230-4)

### Ordering Information

Part Number	98-1100-0531-5
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