# 3M™ Multi-Touch Display C4667PW

## Interactive Digital Signage with Truly Uncompromised Touch

The interactive 46-inch **3M™ Multi-Touch Display C4667PW** 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 C4667PW chassis display delivers 60 simultaneous touches over 1,000 square inches of interactive surface area, at an ultra-fast 12 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 C4667PW 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 12ms 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 10,000 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 C4667PW 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 C4667PW display features a full 1080p HD LCD, wide viewing angles, and a fine pixel pitch of 0.177mm x 0.530mm. An advanced thermal management system ensures the touch surface is at a comfortable temperature for the user, even in a horizontal table implementation, and promotes "always on" performance of critical electronic components. To ensure the image

| Recommended Multi-Touch Applications | |
| --- | --- |
| • Interactive Digital Signage | • Retail Product Selectors |
| • Transportation | • Ticketing/Vending |
| • Wayfinding | • Point of Information |
| • Security Monitoring Systems | • Pro Audio/Visual |
| • Training and Simulation | • Geospatial |
| • Tele-presence | • Broadcast |

quality is not compromised in strong ambient lighting environments, this display features an anti-glare coating.

Every element of the C4667PW is designed to enable integrators to configure the display in 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 2.7" deep the C4667PW can be a sleek wall mounted interactive digital sign or a slim interactive table or kiosk. The all glass bezel free industrial design, inspired by modern consumer devices, makes it an elegant addition for any commercial or professional environment.

| Feature | Benefit |
| --- | --- |
| 3M PCT Multi-Touch Technology | • 60 finger multi-touch input enables intuitive on-screen collaboration<br>• Fast <12 millisecond touch response creates a natural, intuitive and responsive interface<br>• Advanced palm rejection algorithms prevent unintended touches that commonly occur in table applications<br>• Anti-stiction surface enhances the user experience for simple and advanced gestures |
| Sophisticated and Durable Design | • Flat front surface design built in for elegant modern aesthetics<br>• Slim 2.7" thickness provides sleek low profile appearance while enabling easy integration on wall, table or ensclosure<br>• All metal construction provides rugged frame for public use environments<br>• Advanced thermal management system designed to keep display cool to the touch in tabletop and enclosure installations<br>• Anti-Glare Coating to maintain image quality under harsh ambient lighting |
| Premium Display for Multi-Touch Applications | • Full HD resolution (1920x1080) with a fine pixel pitch to maintain sharp image quality while performing up-close interactions<br>• Ultra-Wide viewing angle presents a brilliant image at any angle<br>• LED Backlights present a long lasting, bright, uniform image regardless of integrated orientation |

**3M**

# 3M™ Multi-Touch Display C4667PW Specifications

## Functional Specifications

### Display Details

| | |
|---|---|
| LCD Technology | SPVA (super pattern vertical align) |
| Display Colors | 1.07 billion |
| Pixel Pitch | .177 x .530mm |
| Brightness with touch sensor (max.)(1) | 700 cd/m2 (nit) typical 610 cd/m2 (nit) typical |
| Contrast Ratio (2) | 4000:1 typical |
| Viewing Angle | Horizontal/Vertical: 178 degrees typical |
| Video Response Time (3) | 13 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) | <12 milliseconds |
| Input Type | Finger, thin glove |
| Touch Communication | USB |
| 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 90% |
| 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 | Chemically-strenghtened |
| VESA Pattern | 400mm x 400mm |
| Power Supply | Internal 110/220 VAC Power Supply |
| Power Consumption | 165 watt (maximum) |
| RoHS Compliant | Yes |
| Agency Approvals | FCC-B, CE, TUV (IEC 60950), C-TICK |
| Warranty | 2 years |

### Dimensions and Weight

| | |
|---|---|
| Display Area (WxH) (viewing area) | 1018.08 x 572.67mm 40.08 x 22.55 inches |
| Display Dimensions (outer) | 1086.7 x 638.3 x 68.6 mm 42.8 x 25.1 x 2.7 inches |
| Packaging (WxHxD) | 1240 x 880 x 250 mm 48.8 x 34.6 x 9.8 inches |
| Display weight | 26 kg / 57 lbs |
| Packaging/Display weight | 31.6 kg / 70 lbs |

### Ordering Information

| | |
|---|---|
| Part Number | 98-0003-4107-7 |

### Connections



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