

**3M** Science.  
Applied to Life.™

3M Touch Systems

# 3M™ PCAP Multi-Touch Displays 65-inch

Engineered for commercial applications



Introducing the 3M 65-Inch Multi-Touch Display. This large-format display offers a smartphone-like touch experience in a commercial display specially engineered for 24/7 operation. With features like high-performance projected capacitive multi-touch technology, a sophisticated bezel-free design for a truly uncompromised touch experience, an active thermal management system to ensure cool-to-the-touch performance in all display orientations, finger and pen input and a 3-year warranty, this display delivers a premium interactive experience to teach, inspire, inform and sell.

- ✓ Fully-Integrated Chassis Solution
- ✓ Exceptional Touch Performance
- ✓ Robust, Durable and Dependable
- ✓ Consumer-Driven Design
- ✓ Stable Life-Cycle Product Availability

## Proprietary Ultrafine Metal Mesh Design

At the core of this display is an integrated ultrafine metal mesh conductor — a sensor unlike other known ultrafine metal mesh technologies in the marketplace today. This new technology overcomes design and optical challenges found in other projected capacitive technology (PCT) solutions by using advanced optical modelling techniques developed by 30 years of 3M science and service to the display industry. The result is a sensor designed to work universally on 2K and 4K applications across a range of sizes, including planar (curved) screens, while maintaining high image quality and touch responsiveness.

## Suggested Applications

### Public Venues

- Shopping Malls
- Museums
- Event Centers
- Campuses

### Branded Retail

- Automotive Showrooms
- Luxury Retail
- Fashion
- Upscale Department Stores

### Sample Applications

- Wayfinding/Information
- Endless Aisle
- Educational Exhibits
- Entertainment
- Assisted Selling

Feature	Benefit
Proprietary Ultrafine Metal Mesh Design	<ul style="list-style-type: none"> <li>• Touchscreen and electronics tuned for precise, full multi-touch functionality, even at the edges and corners of the display</li> <li>• Robust system solution tested to work with many display technologies provides integration and design flexibility</li> <li>• Ultrafine metal mesh design based on sophisticated 3M optical modeling</li> </ul>
Proprietary 3M Electronics	<ul style="list-style-type: none"> <li>• Reports simultaneous multi-touch events while supporting palm rejection at high speeds</li> <li>• High signal-to-noise ratio provides input flexibility including thin gloves and fingertips</li> <li>• Ultra-high definition touch for smooth draw capability and ability to distinguish multiple fingers in close proximity</li> <li>• Custom ASIC design offers a standard protocol for any size between 15 and 65 inches and facilitates seamless application development</li> </ul>
Durable Glass Surface	<ul style="list-style-type: none"> <li>• All glass front surface provides a sleek, modern aesthetic</li> <li>• Heat tempered sensor glass withstands the rigors of public environments</li> <li>• Durable cover glass unaffected by scratches, contaminants or items resting on the surface</li> <li>• Enables leading edge industrial design solutions with a uniform narrow black border graphics design</li> <li>• No surface components or bezel requirement limits debris build up which results in increased reliability</li> <li>• Easy-to-clean, virtually "no wear" surface provides operation unaffected by surface scratches</li> <li>• Smooth edge finish for improved durability and handling safety</li> <li>• Anti-glare for table-top applications or strong ambient lighting environments</li> </ul>

### 3M™ PCAP Multi-Touch Displays Specifications (65-Inch)

3M Multi-Touch Display C6587PW	
Diagonal Size	65"
Aspect Ratio	16:9
Display Form Factor	Display
Number of Simultaneous Touch Points	80 points with palm rejection
Touch Response Time*	10 ms (up to 20 touches)
Display Resolution	3840 × 2160 (UHD)
Display Colors	1.07 Billion
Pixel Pitch	0.372mm x 0.372mm
Backlight	LED
Viewing Angle	178° (Vertical/Horizontal)
Brightness	450 Nit
Brightness with Touch Sensor	390 Nit
Multimedia	Audio Input, 5W + 5W @ 8Ω
Surface Treatment	Anti-glare
Touch Communication	USB
Video Connections	HDMI, DVI, VGA, Display Port (HDCP)
Power Supply	Internal, 110/220 VAC
Cables Included	USB, VGA, DVI, HDMI, Display Port, Audio Cable, Power Cord
VESA Pattern	400×400
Operating Systems Compatibility	Windows 10/8/7/Vista/XP, Linux, Mac OS and Android
Warranty	3 years
Part Number	98-1100-0698-2
Operating Environment	0 to +40°C, Relative Humidity 85% non-condensing
Storage Environment	-10 to +60°C
Agency Approvals	FCC-B, CE, cTUVus, RCM, PSE
EU Energy Efficiency Class	B
EU Ecodesign Peak Luminance Ratio	67%
Packaging Dimensions	1720 × 1090 × 250mm / 67.7 × 42.9 × 9.8 in.
Display Weight	55.5kg / 122 lbs.
Display with Packaging Weight	68kg / 149.6 lbs.
RoHS Compliant	Yes

\*Touch Response Time is the time between two reported touch points.



**3M Touch Systems**  
**Subsidiary of 3M Company**  
**501 Griffin Brook Park Drive**  
**Methuen, MA 01844 U.S.A.**

Phone 1-888-659-1080  
 Web [www.3M.com/touch](http://www.3M.com/touch)

**Intended Use:** Not intended for outdoor, household or personal use.

**RoHS Directive compliant:** RoHS 2011/65/EU means that the product or part does not contain any of the substances in excess of the maximum concentration values ("MCVs") in EU RoHS Directive 2011/65/EU, unless the substance is in an application that is exempt under EU RoHS. The MCVs are by weight in homogeneous materials. This information represents 3M's knowledge and belief, which may be based in whole or in part on information provided by third party suppliers to 3M.

**EU Ecodesign Regulator EC No. 642/2009:** This monitor contains lead in certain parts or components where no technology alternatives exist in accordance with existing exemption clauses under the RoHS Directive.

**IMPORTANT NOTICE TO PURCHASER:** Specifications are subject to change without notice. These 3M Touch Systems' Products and software are warranted to meet their published specifications from the date of shipment and one year from the time of purchase. 3M Touch Systems makes no additional warranties, express or implied, including but not limited to any implied warranties of merchantability or fitness for a particular purpose. User is responsible for determining whether the 3M Touch Systems Products and software are fit for User's particular purpose and suitable for its method of production, including intellectual property liability for User's application. If the Product, software or software media is proven not to have met 3M Touch Systems' warranty, then 3M Touch Systems' sole obligation and User's and Purchaser's exclusive remedy will be, at 3M Touch Systems' option, to repair or replace that Product quantity or software media or to refund its purchase price. 3M Touch Systems has no obligation under 3M Touch Systems' warranty for any Product, software or software media that has been modified or damaged through misuse, accident, neglect, or subsequent manufacturing operations or assemblies by anyone other than 3M Touch Systems. 3M Touch Systems shall not be liable in any action against it in any way related to the Products or software for any loss or damages, whether non-specified direct, indirect, special, incidental or consequential (including downtime, loss of profits or goodwill) regardless of the legal theory asserted. (7/02)

3M is a trademark of 3M Company. All other trademarks are property of their respective owners. Please recycle. Printed in USA.  
 © 3M 2016. All rights reserved. 75-0501-3916-3