3M Science. Applied to Life.™

3M Touch Systems

3M™ PCAP Multi-Touch Displays 42- to 55-inch

Engineered for commercial applications

Introducing 3M 42-55-Inch Multi-Touch Displays. These large-format displays offer 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, these displays deliver 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 offering 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	• Touchscreen and electronics tuned for precise, full multi-touch functionality, even at the edges and corners of the display • Robust system solution tested to work with many display technologies provides integration and design flexibility • Ultrafine metal mesh design based on sophisticated 3M optical modeling
Proprietary 3M Electronics	• Reports simultaneous multi-touch events while supporting palm rejection at high speeds • High signal-to-noise ratio provides input flexibility including thin gloves and fingertips • Ultra-high definition touch for smooth draw capability and ability to distinguish multiple fingers in close proximity • Custom ASIC design offers a standard protocol for any size between 15 and 65 inches and facilitates seamless application development
Durable Glass Surface	• All glass front surface provides a sleek, modern aesthetic • Chemically strengthened (42", 46") or heat tempered (55") sensor glass withstands the rigors of public environments • Durable cover glass unaffected by scratches, contaminants or items resting on the surface • Enables leading edge industrial design solutions with a uniform narrow black border graphics design • No surface components or bezel requirement limits debris build up which results in increased reliability • Easy-to-clean, virtually "no wear" surface provides operation unaffected by surface scratches • Smooth edge finish for improved durability and handling safety • Anti-glare for table-top applications or strong ambient lighting environments

3M™ PCAP Multi-Touch Displays Specifications (42- to 55-Inch)

	3M Multi-Touch Display C4267PW 3M Multi-Touch Display C4667PW	3M Multi-Touch Display C5567PW
Diagonal Size	**C4267PW:** 42" **C4667PW:** 46"	55"
Aspect Ratio	16:9	16:9
Display Form Factor	Display	Display
Number of Simultaneous Touch Points	80	80
Touch Response Time*	10 ms (up to 20 touches)	10 ms (up to 20 touches)
Display Resolution	1920 × 1080 (Full HD)	1920 × 1080 (Full HD)
Display Colors	1.07 Billion	1.07 Billion
Pixel Pitch	**C4267PW:** 0.485mm x 0.485mm **C4667PW:** 0.177mm x 0.530mm	0.21mm x 0.63mm
Backlight	LED	LED
Viewing Angle	178° (Vertical/Horizontal)	178° (Vertical/Horizontal)
Brightness	700 Nit	700 Nit
Brightness with Touch Sensor	626 Nit	626 Nit
Multimedia	Audio Input, 5W + 5W @ 8Ω	Audio Input, 5W + 5W @ 8Ω
Surface Treatment	Anti-glare	Anti-glare
Touch Communication	USB	USB
Video Connections	HDMI, DVI, VGA, Display Port (HDCP)	HDMI, DVI, VGA, Display Port (HDCP)
Power Supply	Internal, 110/220 VAC	Internal, 110/220 VAC
Cables Included	Power Cord, USB, VGA, DVI, HDMI, Display Port, Audio Cable	Power Cord, USB, VGA, DVI, HDMI, Display Port, Audio Cable
VESA Pattern	400×400	400×400
Operating Systems Compatibility	Windows 10/8/7/Vista/XP, Linux, Mac OS and Android	Windows 10/8/7/Vista/XP, Linux, Mac OS and Android
Warranty	3 years	3 years
Part Number	**C4267PW:** 98-1100-0727-9 **C4667PW:** 98-1100-0726-1	98-1100-0725-3
Operating Environment	0 to +40°C, Relative Humidity 85% non-condensing	0 to +40°C, Relative Humidity 85% non-condensing
Storage Environment	-10 to +60°C	-10 to +60°C
Agency Approvals	FCC-B, CE, cTUVus, RCM, CCC, PSE	FCC-B, CE, cTUVus, RCM, CCC, PSE
On-Mode Power Consumption	**C4267PW:** 82 W **C4667PW:** 83 W	96 W
EU Energy Efficiency Class	**C4267PW:** B **C4667PW:** B	A
EU Ecodesign Peak Luminance Ratio	**C4267PW:** 70% **C4667PW:** 70%	67%
Packaging Dimensions	**C4267PW:** 1094 × 715 × 200mm / 43 × 28 × 8 in. **C4667PW:** 1240 × 880 × 250mm / 48.8 × 34.6 × 9.8 in.	1472 × 896 × 256mm / 57.9 × 35.3 × 10.1 in.
Display Weight	**C4267PW:** 23kg / 50.7 lbs. **C4667PW:** 24kg / 53 lbs.	40kg / 88 lbs.
Display with Packaging Weight	**C4267PW:** 26kg / 57.3 lbs. **C4667PW:** 30kg / 66 lbs.	46kg / 101.5 lbs.
RoHS Compliant	Yes	Yes

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

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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.

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