

# 3M™ Dual-Touch Chassis Displays

## Sleek Industrial Design Made Simple

**3M™ Dual-Touch Chassis Displays**, available in 15-, 17- and 19-inch display sizes, are an ideal solution for kiosk applications that require the modern flat front surface design and dual touch gesture performance found in popular smart phone and tablet devices today. These displays, specifically designed for kiosk and enclosure integrations, feature a unique flat front surface-ready design to allow for easy integration and upgrading current kiosk designs. In addition, the chemically-strengthened glass and anti-glare treatment are an ideal combination to support heavy-use public applications while maintaining the kiosk's functional, optical and aesthetic characteristics.

Dual-touch projected capacitive technology enables applications and operating systems to create user experiences beyond traditional single touch interactions. The projected capacitive sensor allows the system to quickly and accurately track two simultaneous touches across the entire touch screen. The responsive, accurate, and easy-to-use dual-touch system enables program designers to migrate existing single touch applications to a gesture-based interface to create and deliver popular user interactions such as pan, zoom and rotate. As a plug-and-play device, application programmers will be able to leverage dual-touch capabilities built into Windows 7 and other popular programming languages.

3M Dual-Touch Chassis Displays, with chemically-strengthened glass, provides a durable, impact-resistant touch surface while the virtual bezel glass seals the display from dust and liquids (according to the IP54 standard). The flat front surface design also helps make the display easy to clean and maintain. The anti-glare treatment helps reduce reflections on the display and increases content readability. The chemically-strengthened glass and anti-glare treatment provide the durability and readability essential for unattended high traffic kiosks.



### Recommended Multi-Touch Applications

- Self Service Kiosks
- Bill Pay Kiosks
- Point of Information (POI)
- Interactive Point of Purchase (iPOP)
- Retail Product Selector
- Industrial Automation
- Hospitality
- Security Systems

The Dual-Touch chassis display is available in common kiosk display sizes:

- 15" 3M Dual-Touch Display C1510PS
- 17" 3M Dual-Touch Display C1710PS
- 19" 3M Dual-Touch Display C1910PS

Feature	Benefit
Flat front surface design with chemically-strengthened glass	<ul style="list-style-type: none"><li>• Sophisticated bezel-free design enables contemporary flat front surface aesthetics</li><li>• Designed to eliminate dust and debris build up at the edge and corners of the display making it easy to clean</li><li>• Superior glass durability maintains functional performance over the life of the product</li></ul>
Dual-Touch Projected Capacitive	<ul style="list-style-type: none"><li>• 2-finger dual-touch input capability enables smart phone and tablet-like gestures (pan, zoom, rotate)</li><li>• Works with finger and thin glove</li><li>• Unaffected by most surface contaminants</li></ul>
Versatile Product Design	<ul style="list-style-type: none"><li>• Easy to integrate with multiple mounting options (brackets, VESA)</li><li>• Anti-glare surface treatment to reduce reflections and maximize readability</li><li>• Compatible with Windows 7 / Vista / XP, Linux and Mac</li></ul>



# 3M™ Dual-Touch Chassis Displays Specifications

DISPLAY DETAILS	3M Dual-Touch Display C1510PS	3M Dual-Touch Display C1710PS	3M Dual-Touch Display C1910PS
Diagonal Size	15"	17"	19"
LCD Technology	Twisted Nematic (TN)	Twisted Nematic (TN)	Twisted Nematic (TN)
Backlight	CCFL	CCFL	CCFL
Control Type	OSD	OSD	OSD
Aspect Ratio	4:3	5:4	5:4
Display Colors	16.2 Million	16.7 Million	16.7 Million
Pixel Pitch	0.297 mm x 0.297 mm	0.264 mm x 0.264 mm	0.294 mm x 0.294 mm
Brightness with touchscreen (1)	250 cd/m2 (nit) (typical) 225 cd/m2 (nit)	250 cd/m2 (nit) (typical) 225 cd/m2 (nit)	250 cd/m2 (nit) (typical) 225 cd/m2 (nit)
Contrast Ratio (2)	500:1 typical	1000:1 typical	800:1 typical
Viewing Angle (Horiz./Vert.):	140/125 degrees typical	160/160 degrees typical	170/160 degrees typical
Video Response Time (3)	8 milliseconds (typical)	5 milliseconds (typical)	5 milliseconds (typical)
Native Resolution	1024 x 768 (maximum)	1280 x 1024 (maximum)	1280 x 1024 (maximum)
VESA Pattern	75mm x 75mm	100mm x 100mm	100mm x 100mm
Power Consumption	22 watts (typical)	25 watts (typical)	25 watts (typical)
<b>TOUCH DETAILS</b>			
Number of Inputs	2 inputs	2 inputs	2 inputs
Touch Point Speed	<12 ms	<12 ms	<12 ms
Input Type	Finger, Thin Glove	Finger, Thin Glove	Finger, Thin Glove
Touch Communication	USB	USB	USB
Operating System Support	Windows7/Vista/XP, Linux, Mac	Windows7/Vista/XP, Linux, Mac	Windows7/Vista/XP, Linux, Mac
<b>PHYSICAL SPECIFICATIONS</b>			
Operating Environment	0 to +40 degrees C, Relative Humidity, non-condensing 80%	0 to +40 degrees C, Relative Humidity, non-condensing 80%	0 to +40 degrees C, Relative Humidity, non-condensing 80%
Storage Environment	-20 to +60 degrees C, Relative Humidity, non-condensing 90%	-20 to +60 degrees C, Relative Humidity, non-condensing 90%	-20 to +60 degrees C, Relative Humidity, non-condensing 90%
Video Input	VGA	VGA	VGA
Power Supply	External, 12 VDC Power Supply	External, 12 VDC Power Supply	External, 12 VDC Power Supply
Physical (WxHxD)	355.93 x 280.93 x 52.1 mm 14.0 x 11.1 x 2.1 inches	394.0 x 330.0 x 57.1 mm 15.5 x 13.0 x 2.2 inches	432.9 x 360.3 x 58.4 mm 17.0 x 14.2 x 2.3 inches
Display Area (WxH)	304.1 x 228.1 mm (viewing area) 12.0 x 9.0 inches	337.9 x 270.3 mm (viewing area) 13.3 x 10.6 inches	376.3 x 301.1 mm (viewing area) 14.8 x 11.9 inches
Packaging (WxHxD)	435 x 355 x 165 mm 17.1 x 14.0 x 6.5 inches	480 x 415 x 160 mm 18.9 x 16.3 x 6.3 inches	460 x 525 x 165 mm 18.1 x 20.7 x 6.5 inches
Packaging/Display Weight	3.3 Kg / 7.3 lbs	4.8 Kg / 10.6 lbs	5.8 Kg / 12.8 lbs
Display Weight	5.5 Kg / 12.1 lbs	7.0 Kg / 15.4 lbs	8.2 Kg / 18.1 lbs
RoHS Compliant	Yes	Yes	Yes
Agency Approvals	FCC-B, CE, UL	FCC-B, CE, UL	FCC-B, CE, UL
Warranty	1 year	1 year	1 year
<b>Part Number</b>	98-0003-4096-2	98-0003-4097-0	98-0003-4098-8

(1) Brightness measured on a display with Projected Capacitive sensor

(2) Measured at a contrast

(3) Gray to Gray

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**RoHS Directive compliant:** In accordance with European Directive 2002/95/EC, "RoHS Directive compliant" means that the product or part does not contain any of the following substances in excess of the following maximum concentration values in any homogeneous material, unless the substance is in an application that is exempt under RoHS: (a) 0.1% (by weight) for lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers; or (b) 0.01% (by weight) for cadmium. Unless otherwise stated by 3M in writing, this information represents 3M's knowledge and belief based on information provided by third party suppliers to 3M. (9/06)

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