Multi-Touch Display C6537PW Specifications

Interactive Digital Signage with Truly Uncompromised Touch

Multi-Touch Display

The interactive 65-inch Multi-Touch Display C6537PW 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 C6537PW chassis display delivers 80 simultaneous touches over 750 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 C6537PW provides system architects with a high-performance, easy-tointegrate commercial display for innovative multi-touch solutions.

Precision Large-format Multi-Touch

In addition to delivering 80 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 C6537PW 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 LED. To maintain sharp image quality at close distances the C6537PW display features a full 2160P HD LED, wide viewing angles, and a fine pixel pitch of 0.744mm x 0.744mm. An advanced thermal management system ensures the touch surface is at a

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comfortable temperature for the user, even in a horizontal table implementation, and promotes "always on" performance of critical electronic components. To ensure the image quality is not compromised in strong ambient lighting environments, this display features an anti-glare coating. Every element of the C6537PW 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 2.9” deep the C6537PW 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.

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

Sophistication Meets Innovation

Gonsion™ takes interactive display technology to the next level by combining uncompromising multi-touch performance, brilliant high-definition graphics, wide viewing angles and elegant product design into a fully-integrated, easy-to-use, plug-and-play multi-touch desktop device

Ruggedized Chassis for Next-Generation Multi-Touch Applications

3M PCT combines its industry-leading multi-touch technology that delivers an ultra-fast, accurate, and precise multi-touch response, with a high-definition, wide viewing angle LCD, to create a multi-touch chassis for your next generation interactive application. The rugged all steel frame and a highly-durable glass front surface provide the durability needed for demanding public use environment.

Multi-Touch Displays

Feature	Benefit
3M PCT Multi-Touch Technology	• Up to 80-finger multi-touch input with palm rejection capability enables engaging single and multiple user interactions
	• Less than 12 millisecond touch response (for 20 touches) creates a natural, intuitive and responsive interface
	• Anti-stiction surface enhances the user experience for simple and advanced gestures
High Performance 2160p HD LCD with LED Backlight	• Full HD resolution (3840*2160) maintains sharp image quality while performing up-close interactions
	• Ultra-wide viewing angle presents a brilliant image at any angle
	• LED backlights present a long lasting, bright, uniform image regardless of integrated orientation
Sophisticated Flat Front Surface Design	• Ultra-slim and lightweight display enables designers to create compelling multi-touch applications
	• Open frame design allows for easy integration in kiosks, enclosures or table tops
	• Advanced thermal system to maintain comfortable touch screen temperature
	• Chemically-strengthened glass construction enables modern durable flat front surface designs

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Functional Specifications

Display Details

LCD Panel	65 Inch VA LED
Display Colors	1.07 billion
Pixel Pitch	.744 x .744mm
Brightness	450 cd/m2 (nit) typical
with touch sensor (max.)	350 cd/m2 (nit) typical
Contrast Ratio	4000:1 typical
Viewing Angle	Horizontal/Vertical: 178 degrees
	Typical
Video Response Time	13 ms typical
Refresh Rate	60Hz
Control Type	OSD
Native Resolution	3840*2160

Touch Details

Number of Touch Points	80 points with palm rejection
Touch Point Speed	<12 milliseconds
Input Type	Finger, thin glove
	Operates with many of the leading conductive styli and active pens
Light Transmission	>87%
Touch Communication	USB
Accuracy	>99% of true position
Touch Refresh Rate	<10ms for up to 20 simultaneous finger inputs
Operating System Support	Windows 8 / 7 / Vista / Linux / Mac

Product Details

Operating Environment	0 to +40 degrees C, relative humidity, non-condensing 90%
Storage Environment	-10 to +60 degrees C
Video Input	DVI, HDMI, DP (HDCP)
Audio	Speaker: 5W + 5W @ 8Ω
Cover Glass	Chemically-strenghtened
VESA Pattern	400mm x 400mm
Power Supply	Internal 110/220 VAC Power Supply
Power Consumption	165 watt (maximum)
Warranty	1 years

Dimensions and Weight

Display Area (WxH)	1428.48 x 803.52mm (viewing area) 56.24 x 31.63 inches
Display Dimensions	1526 x 901 x 75 mm (outer) 60.07 x 35.47 x2.95 inches
Packaging (WxHxD)	1720 x 1110 x 275 mm 67.72 x 43.70 x 10.83 inches
Display weight	48 kg / 105 lbs
Packaging/Display weight	56 kg / 123 lbs

GONSION

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