

Panamich® Multi-Touch Display C3237PW



The interactive 32-inch Multi-Touch Display C3237PW features MicroTouch's high-performance projected capacitive (MicroTouch PCT) multi-touch technology and sophisticated bezel-free display design to offer users a truly uncompromised touch experience. The C3237PW chassis display delivers 80 simultaneous touches over 110 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 C3237PW 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 20 simultaneous touches at a 12ms response time, the MicroTouch 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 6000 touch sensing points in close proximity, making it precise and extremely accurate across the entire touchscreen. MicroTouch 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.

Multi-Touch Applications

MicroTouch 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
MicroTouch PCT Multi-Touch Technology	• 5-80-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 1080p HD LCD With LED Backlight	• Full HD resolution (1920x1080) 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	32 Inch TFT LCD
Display Colors	1.07 billion
Pixel Pitch	.177 x .530mm
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	1920 x 1080

Touch Details

Number of Touch Points	10 or 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

Physical Specifications

Product Details

Operating Environment	0 to +40 degrees C, relative humidity, non-condensing 85%
Storage Environment	-10 to +60 degrees C
Video Input	DVI, VGA, HDMI DisplayPort (HDCP)
Audio	5w+5w@8Ω
VESA Pattern	200mm x 200mm 200mm x 600mm
Power Supply Internal	110/220 VAC Power Supply
Power Consumption	165 watts maximum
Warranty	1 year on touch display
Dimensions and Weight	
Physical Dimensions (outer)	750.70 x 445.07 mm 29.6 x 17.5 inches
Display Area (WxH) (viewing area)	698.40 x 392.85 mm 27.5 x 15.5 inches
Packaging (WxHxD)	850 x 683 x 210 mm 33.46 x 26.89 x 8.31 inches
Display weight	16.70 kg / 36 lbs
Packaging/Display weight	21.5 kg / 47.4 lbs

Ordering Information

Part Number	98-1100-3237-2
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