7" Modero X® Series G5 Wall Mount Touch Panel

MXD-701-L (FG5968-55) Landscape Wall Mount Touch Panel
MXD-701-P (FG5968-54) Portrait Wall Mount Touch Panel

Overview

The MXD-701 / 7" Modero X® Series G5 Wall Mount Touch Panel is a premium user interface that includes the G5 graphics engine and delivers superior performance. Designed for dedicated room control or scheduling, this elegantly-styled touch panel provides fast and smooth animations and transitions, along with a quad-core processor that provides more than enough processing power to run the most demanding applications today and in the future. The MXD-701 also includes a built-in web browser and document viewers, enabling users to access real-time information during meetings or lectures.

The MXD-701 is built for usability, offering edge-to-edge capacitive touch glass with multi-touch capabilities. It is hardware-ready to support Near Field Communication™ (NFC) Technology to allow personalization of the user experience and productivity-enhancing capabilities through integration with NFC capable personal devices. The distinctive appearance will complement even the most sophisticated meeting facilities and homes, with a variety of mounting options for added security and convenience.

Common Applications

- The MXD-701 is ideal for boardrooms, conference rooms or auditoriums where a premium control surface is needed to provide access to multiple functions simultaneously while remaining elegantly unobtrusive.
- In Higher Education, the MXD-701 is ideal for lecture halls, auditoriums, performing arts theaters and boardrooms that require extensive control capabilities.
- In residences, it is perfect for kitchens, bedrooms or home offices where it can be used to manage systems throughout the home.
- The MXD-701 can be used as a scheduling panel for high-end meeting rooms and auditoriums.
- All Modero X Series Wall Mount panels are ideal for reception areas or other gathering places where master calendars can be displayed along with streamed information from the web like weather and stock quotes.

Features

- **G5 Graphics Engine and Quad Core Processing** – The most powerful processing in the industry delivers smooth gesturing, swiping, dynamic reordering, enhanced animation with transitions all at higher speeds for an experience any user will enjoy
- **Simplified Enterprise Touch Panel and Firmware Updates** – Deploy and update touch panel files and firmware files from a network URL for simplified company-wide updates
- **Built-in Web Browser, Document Viewers and Enzo Sharing** – Conveniently simplifies accessing and presenting real-time content and documents during meetings. With G5 touch panels, grab your files via the native web browser, USB, or cloud storage apps, and view them locally in the built in Document Viewers or send content from a G5 Touch Panel to Enzo with just one click.
- **Perfect From Any Angle** – Includes In-Plane Switching (IPS), which delivers the widest viewing angles and the most accurate color reproduction on the market
- **Enhanced User Experience** – The Modero X Series features intuitive UI functionality including: gesturing, swiping, dynamic reordering and enhanced animation capabilities
- **Generous Mounting Options** – In addition to wall mount, you can mount the 7" Modero X Series Landscape Wall/Flush Mount Touch Panel directly to an equipment rack using the optional MXA-RMK-07 Modero X Series Rack Mount Kit (FG5969-63)
- **View and Select Dynamic Data with Listview Buttons** – Display a listing of entries generated by a dynamic data source (e.g. phonebook contacts, call logs, RSS feed or other real time data sources) enabling the user to scroll or search to make a selection. Demos are available in the UI Resource Center

Specifications

TOUCH SCREEN DISPLAY	
Display Type	TFT Active Matrix Color LCD with Fringe Field Switching (FFS) - Wide Viewing Angle Technology
Display Size (WH)	Landscape: 7.3" x 4.8" (186 mm x 122 mm) 8.8" (222 mm) diagonal Portrait: 4.8" x 7.3" (122 mm x 186 mm), 8.8" (222 mm) diagonal
Viewable Area (WH)	Landscape: 6.05" x 3.54" (154 mm x 90 mm) 7.0" (178 mm) diagonal Portrait: 3.54" x 6.05" (90 mm x 154 mm), 7.0" (178 mm) diagonal
Resolution (WH)	Landscape: 1024x600, Portrait: 600x1024
Aspect Ratio (WH)	Landscape: 16:9, Portrait: 9:16
Brightness	400 cd/m2
Contrast Ratio	800:1
Color Depth	16.7M colors
Illumination	LED
Touch Overlay	Projected Capacitive, multi-touch support, 3 simultaneous max
Viewing Angle	Vertical ± 89°, Horizontal ± 89°

MEMORY	
SDRAM	2 GB
Flash	16 GB
Maximum Project Size	12 GB flash, available for apps and touch panel files

COMMUNICATIONS	
ETHERNET	10/100 Auto MDI-X port, RJ-45 connector. Supported IP and IP-Based Protocols: UCP, TCP, ICMP, ICSP, IGMP, DHCP, SSH, FTP, DNS, RFB (for VNC), HTTP
USB	(2) USB host 2.0, Type A ports (1 with limited physical access requiring right angle connection): Firmware upgrade, touch panel file transfer, document and image viewing, HID peripherals
Near Field Communication (NFC)	Supports standards ISO/IEC 15693, ISO/IEC 14443A, ISO/IEC 14443B; Unique Identifier (UID), typ range = .25", max = .5"
Bluetooth	Mouse/Keyboard: HID Profile v1.1, requires MXA-BT Bluetooth Adapter (FG5968-19)

VIDEO	
Supported Video Codecs	MPEG2-TS: MPEG-2 Main Profile @High Level up to 720p at 25 fps (decode only) MJPEG up to 720p at 25 fps (decode only)
Supported Video Transport Streams	MPEG-TS for MPEG2 and H.264; HTTP for MJPEG
Max Number of Active Video Streams	Two decode

AUDIO	
Microphone	-42dB +- 3dB sensitivity FET microphone
Speakers	4 ohm, 2 Watt, 300Hz cutoff frequency
Supported Audio Codecs	MP2 Layer I and II, MP3 (8 kHz, 11.025 kHz, 12 kHz, 16 kHz, 22.05 kHz, 24 kHz, 32 kHz, 44.1 kHz, 48 kHz) AAC-LC (8 kHz, 96 kHz) G.711 with µLaw (VoIP encode/decode at 8kHz)
File Formats	WAV, MP3 (as part of touch panel file only - no USB storage)
Intercom	Full Duplex VoIP, SIP v2.0

GRAPHICS ENGINE	
AMX G5	G5 enhanced feature set supporting multi-touch and gestures, scrolling, transitions, applications - See TPD5 Operations Guide for more information

EMBEDDED APPLICATIONS	
Viewer Applications	PDF, JPEG, BMP, PNG, TIFF, GIF, PowerPoint, .doc, .docx, .xls, .xlsx, .ppt, .pptx
Remote Management	VNC Server
Panel-to-Panel Chat*	Skype, the MXD-701 receives audio/video and returns audio
Audio Conferencing	Audio (full duplex intercom)

FRONT PANEL COMPONENTS	
Light Sensor	Photosensitive light detector for automatic adjustment of the panel brightness
Proximity Detector	Max range = ~3', typ range = ~1', FOV = ~10 degrees
Sleep Button	Sleep button to activate sleep mode and powering off. Also provides access to setup pages (can be disabled)
CONNECTIONS	
Ethernet	10/100 Auto MDI-X port, RJ-45 connector
USB	(2) USB host 2.0, Type A ports
Power	PoE (Power over Ethernet), 802.3af, class 3

ENVIRONMENTAL	
Temperature (Operating)	32° F to 104° F (0° C to 40° C)
Temperature (Storage)	4° F to 140° F (-20° C to 60° C)
Humidity (Operating)	20% to 85% RH
Humidity (Storage)	5% to 85% RH
Power ("Heat") Dissipation	On: 39.2 BTU/hr Standby: 19.8 BTU/hr

GENERAL	
Dimensions (HWD)	Landscape: 4 13/16" x 7 5/16" x 2 1/2" (122 mm x 186 mm x 63 mm) Portrait: 7 5/16" x 4 13/16" x 2 1/2" (186 mm x 122 mm x 63 mm)
Weight	1.4 lbs (0.64 Kg)
Power Consumption	Full-On: 11.5 W maximum Standby: 5.8 W Shutdown: 1 W
Start-Up Inrush Current	Not applicable due to PoE standard
External Power Supply Required	Optimal performance requires use of one of the following AMX PoE power supplies (not included): PS-POE-AF-TC, PoE Injector, 802.3AF Compliant (FG423-83) NXA-ENET8-2POE, Gigabit PoE Ethernet Switch (FG2178-63)
Certifications	FCC Part 15 Class B C-Tick CISPR 22 Class B CE EN 55022 Class B and EN 55024 CB Scheme IEC 60950-1 IC IEC/EN-60950 UL 60950-1 RoHS/WEEE compliant
Included Accessories	MXA-USB-C, USB Port Cover Kit, Modero X Series Touch Panel (FG5968-18) MXA-CLK, Modero X Series Cleaning Kit (FG5968-16) Installation Template 7"
Optional Accessories	MXA-FMK-07 Flush Mount Kit, 7" Modero X Wall Mount (FG5968-71) MXA-RMK-07 Modero X Series Rack Mount Kit (FG5969-63) MXA-MP, Modero X Series Multi Preview (FG5968-20) MXA-MPL, Modero X Series Multi Preview Live (FG5968-10)

	PS-POE-AF-TC, PoE Injector, 802.3AF Compliant (FG423-83)
	NXA-ENET8-2POE, Gigabit PoE Ethernet Switch (FG2178-63)
	MXA-BT Bluetooth USB Adapter for Modero X Series (FG5968-19)
	CB-MXSA-07, Rough-In Box, Modero X/S Series Touch Panel, 7" (FG039-18)
	CB-MXP-07-F Flush Mount Rough-In Box and Cover Plate, for use with MXA-FMK-07 Flush Mount Kit for 7" Modero X Wall Mount Touch Panels (FG5968-83)
	MXA-USB-C, USB Port Cover Kit, Modero X Series Touch Panel (FG5968-18)
	MXA-CLK, Modero X Series Cleaning Kit (FG5968-16)

*This feature will be available upon release of a future firmware update

For more detailed pictorial drawings please visit: http://www.amx.com/products/MXD-701.asp
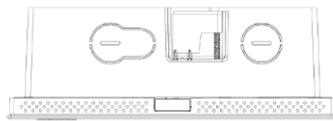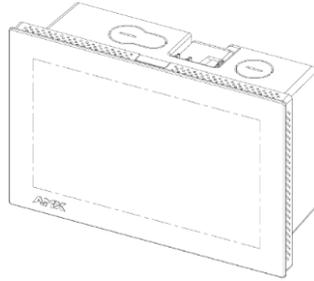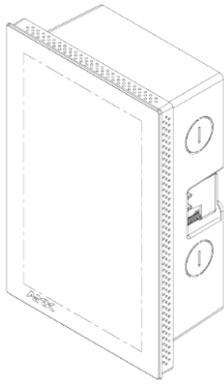
MXD-701
(Landscape - Top View)

MXD-701
(Portrait - Front View)

7 5/16"
(186 mm)

2 1/2"
(63 mm)

4 13/16"
(122 mm)
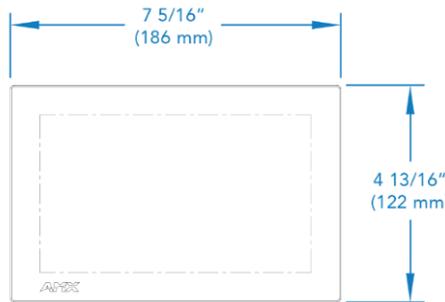
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(Landscape - Front View)
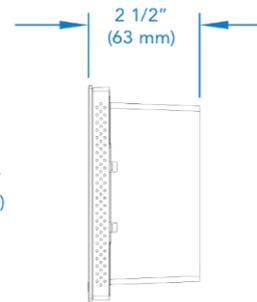
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(Landscape - Right View)
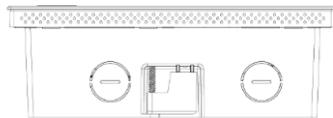
MXD-701
(Landscape - Bottom View)