



MT-2002 (FG5969-35) Panoramic Tabletop Touch Panel

## Overview

The MT-2002 / 20.3" Modero G5 Tabletop Touch Panel is a premium user interface that includes the G5 graphics engine and delivers superior performance. Designed specifically for dedicated room control, 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 MT-2002 also includes a built-in web browser and document viewers, enabling users to access real-time information during meetings or lectures.

The Modero G5 Touch Panels provide several industry firsts including a beautiful, panoramic capacitive multi-touch screen that provides users access to multiple applications with minimal navigation. The distinctive, low-profile design is engineered to sit perfectly on a table without obstructing views, and comes with a variety of mounting options for added security and convenience.

## Common Applications

- The MT-2002 is ideal for boardrooms, conference rooms or auditoriums where a panoramic control surface is needed to provide access to multiple functions simultaneously while remaining elegantly unobtrusive.
- In Higher Education, the MT-2002 is ideal for lecture halls, auditoriums, performing arts theaters and boardrooms that require extensive control capabilities.
- In residences, it is perfect for main living areas such as kitchens, living rooms, home theaters or home offices where the control surface can be used to manage systems throughout the home.

## Features

- **G5 Graphics Engine and Quad Core Processing** – The most powerful processing in the industry delivers smooth gesturing, swiping, dynamic reordering, and 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 and Content Viewers** – Conveniently simplifies accessing and presenting real-time content and documents during meetings. Simply preview files accessed via the native web browser, USB, or cloud storage apps. Easily update or disable apps using the onboard G5 App Update Manager.

- **Multitasking with the Panoramic Control Surface** – The panoramic aspect ratio of the Modero X G5 touch panels provides dedicated space to perform multiple activities at once.
- **Adjustable Security Modes** – With the ability to select from high security or custom modes, administrators can customize the panel's security levels for access, networking and communication.
- **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
Display Size (WH)	19.52" x 9.52" (496mm x 217mm), 21.29" (541 mm) diagonal
Viewable Area (WH)	18.7" x 7.8" (475 mm x 198 mm ), 20.3" (514 mm) diagonal
Resolution (WH)	1920x800
Aspect Ratio (WH)	12:5
Brightness	250 cd/m2
Contrast Ratio	1000:1
Color Depth	16.7M colors
Illumination	LED
Touch Overlay	Projected capacitive, multi-touch support, 3 simultaneous max
Viewing Angle	Vertical $\pm 89^\circ$ , Horizontal $\pm 89^\circ$

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	(3) USB host 2.0, Type A ports: Firmware upgrade, touch panel file transfer, document and image viewing, HID peripherals
Bluetooth	Mouse/Keyboard: HID Profile v1.1 (requires external USB-BT adapter)

<b>VIDEO</b>	
Supported Video Codecs	MPEG-2-TS: MPEG-2 Main Profile @High Level up to 720p at 25 fps (decode only) MPEG-2-TS: H.264 High Profile @Layer 4, AAC-LC up to 720p at 25 fps (encode/decode) MJPEG up to 720p at 25 fps (decode only)
Supported Video Transport Streams	MPEG-TS for MPEG-2 and H.264; HTTP for MJPEG
Max Number of Active Video Streams	Two decode plus one encode

<b>AUDIO</b>	
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 $\mu$ Law (VoIP encode/decode at 8 kHz)
File Formats	WAV, MP3 (as part of touch panel file only - no USB storage)

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

<b>EMBEDDED APPLICATIONS</b>	
Viewer Applications	PDF, JPEG, BMP, PNG, TIFF, GIF, PowerPoint, .doc, .docx, .xls, .xlsx, .ppt, .pptx
Remote Management	VNC Server

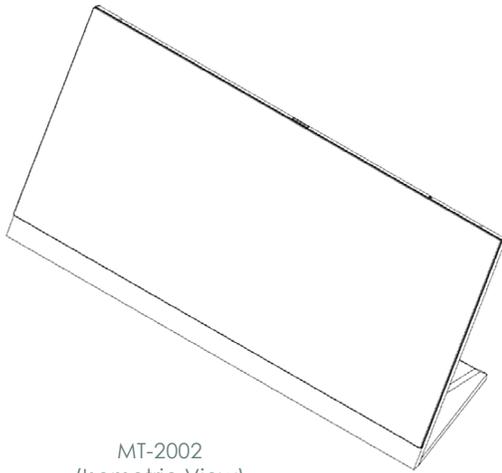
<b>FRONT PANEL COMPONENTS</b>	
Light Sensor	Photosensitive light detector for automatic adjustment of the panel brightness
Proximity Detector	Max range = ~3', typ range = ~1', FOV = ~10 degrees
Sleep Button	Sleep button to activate sleep mode and powering off. Also provides access to setup pages (can be disabled)

<b>CONNECTIONS</b>	
Ethernet	10/100 Auto MDI-X port, RJ-45 connector
USB	(3) USB host 2.0, Type A ports (1) Micro-USB device port (currently not in use)
Power	2-pin, locking 3.5mm Phoenix connector

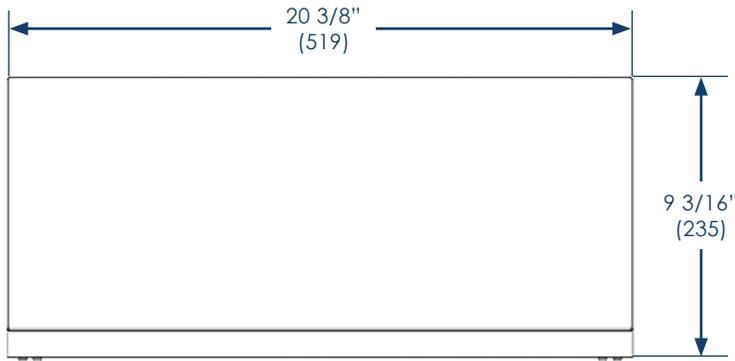
<b>ENVIRONMENTAL</b>	
Temperature (Operating)	32° F to 104° F (0° C to 40° C)
Temperature (Storage)	4° F to 140° F (-20° C to 60° C)
Humidity (Operating)	20% to 85% RH
Humidity (Storage)	5% to 85% RH
Power ("Heat") Dissipation	On: 119.4 BTU/hr Standby: 23.9 BTU/hr

<b>GENERAL</b>	
Dimensions (HWD)	9 3/16" x 20 3/8" x 5 7/8" (235 mm x 519 mm x 150 mm)
Weight	12.3 lbs (5.58 Kg)
Power Consumption	Full-On: 35 W (13.5 VDC, 2.9 A) Standby: 7 W (13.5 VDC, 0.6 A)
Start-Up Inrush Current	Not applicable due to PoE standard
External Power Supply Required	Requires one of these AMX power sources (not included): <ul style="list-style-type: none"> <li>• PSR5.4, 12 VDC, 5.4 A Power Supply with 3.5 mm Phoenix Connector with Retention Screws (FG423-48)</li> <li>• MXA-MPL Modero X/S Series Multi Preview Live (FG5968-10)</li> </ul>
Regulatory Compliance	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	<ul style="list-style-type: none"> <li>• Locking 2-pin Phoenix mate (41-0002-SA)</li> <li>• MXA-USB-C, USB Port Cover Kit, Modero X/S Series Touch Panel (FG5968-18)</li> <li>• HPG-10, 3/4" Mini-Grommet (FG570-01)</li> <li>• MXA-CLK, Modero X/S Series Cleaning Kit (FG5968-16)</li> </ul>
Optional Accessories	<p><b>MOUNT</b></p> <ul style="list-style-type: none"> <li>• MXA-STMK-20, Secure Table Mount Kit, for Modero 20" Tabletop Touch Panel (FG5968-64)</li> </ul> <p><b>VIDEO</b></p> <ul style="list-style-type: none"> <li>• MXA-MPL, Modero X/S Series Multi Preview Live (FG5968-10)</li> </ul>

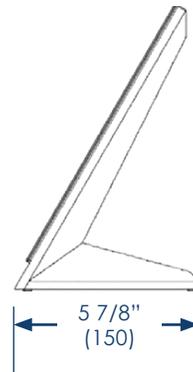
For more detailed pictorial drawings please visit: <https://www.amx.com/en-US/products/mt-2002-pan>



MT-2002  
(Isometric View)



MT-2002  
(Front View)



MT-2002  
(Right View)



LAST REVISED: 10/09/2018

About AMX by HARMAN

Founded in 1982 and acquired by HARMAN in 2014, AMX® is dedicated to providing AV solutions for an IT World. AMX solves the complexity of managing technology with reliable, consistent and scalable systems comprising control, video switching and distribution, digital signage and technology management. AMX systems are deployed worldwide in conference rooms, classrooms, network operation/command centers, homes, hotels, entertainment venues and broadcast facilities, among others. AMX is part of the HARMAN Professional Group, the only total audio, video, lighting, and control vendor in the professional AV market. HARMAN designs, manufactures and markets premier audio, video, infotainment and integrated control solutions for the automotive, consumer and professional markets. ©2018 Harman. All rights reserved. Specifications subject to change.

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