

# 10.1" Modero® S Series Tabletop Touch Panel

MST-1001 (FG2265-05)



## Overview

The MST-1001 / 10.1" Modero S Series Tabletop Touch Panel is a control surface for managing a wide variety of digital and analog devices in conference rooms, classrooms and other types of spaces. The MST-1001 has a sleek design that remains affordable due to its ruggedized plastic housing. Key features include a brilliant 24-color depth, PoE connectivity, video streaming, and VoIP support – all at an economical price point.

## Common Applications

- The MST-1001 is ideal for small to mid-size conference rooms on a tight budget, as well as smaller rooms or huddle spaces that require a more flexible and powerful control interface than a keypad or ControlPad. It can also serve as a second control panel in a large conference room or auditorium.
- Combined with the secure table mount kits and Kensington mounts, the MST-1001 is perfect for classrooms and other learning spaces where the panel can be securely fixed to a table or other flat surface.

## Features

- **Powerful Graphics** – Powered by the G4 graphics engine, the Modero S Series features streaming video and brilliant 24-bit color depth
- **Elegant & Responsive User Interface** – Exclusive SmoothTouch™ display supports single touch gesturing and delivers responsive performance
- **Architectural Design Consistency** – Install both Modero S and Modero X touch panels throughout a facility for consistent style on any budget
- **Secure Table Mounting Option** – Our beautifully styled secure mounting plate attaches to the Modero S tabletop touch panels and secures with under-table tamper resistant bolts making it virtually theft proof
- **Optional Kensington Mount** – If it's not possible or desirable to mount the touch panel to the table, the secure plate can also be used in conjunction with a Kensington Lock

## Specifications

TOUCH SCREEN DISPLAY	
Display Type	TFT Active Matrix Color LCD
Display Size (WH)	9.1" x 5.9" (230 mm x 149 mm), 10.8" (274 mm) diagonal
Viewable Area (WH)	8.5" x 5.4" (217mm x 136mm), 10" (256 mm) diagonal
Resolution (WH)	1280x800
Aspect Ratio (WH)	16:9
Brightness	350 cd/m2
Contrast Ratio	800:1
Color Depth	16.7M colors
Illumination	LED
Touch Overlay	Resistive
Viewing Angle	85°/ 85°/ 85°/ 85° (Up/Down/Left/Right)

MEMORY	
SDRAM	512 MB
Flash	4 GB
Maximum Project Size	2.4 GB flash available to user

COMMUNICATIONS	
ETHERNET	10/100 port, RJ-45 connector. Supported IP and IP-Based Protocols: UCP, TCP, ICMP, ICSP, IGMP, DHCP, Telnet, FTP, DNS, RFB (for VNC), HTTP
USB	(1) USB host 2.0, Type A port: firmware upgrade, touch panel file transfer, JPEG image viewer, HID peripherals
Bluetooth®	Bluetooth®: Mouse/Keyboard: HID Profile v1.1, requires MXA-BT, Bluetooth USB Adapter for Modero X/S Series Touch Panels (FG5968-19) and MXA-HST, Bluetooth Handset for Modero X/S Touch Panels (FG5968-17)

VIDEO	
Supported Video Codecs	MPEG-2-TS: MPEG-2 Main Profile @ High Level up to 720p at 25 fps (decode)  MPEG-2-TS: H.264 High Profile @ Layer 4, AAC-LC up to 720p at 25 fps (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	One decode

AUDIO	
Microphone	-42 dB ± 3 dB sensitivity FET microphone
Speakers	4 ohm, 2 Watt, 500 Hz 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 8kHz)
File Formats	WAV, MP3 (as part of touch panel file only - no USB)

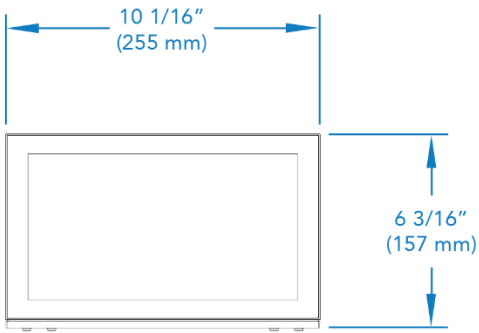
	storage)
Intercom	Full Duplex VoIP, SIP v2.0
<b>GRAPHICS ENGINE</b>	
AMX G4	AMX's exclusive, powerful G4 graphics engine – the driving force behind the advanced graphics and image processing capability on a variety of AMX Touch Panels and other devices (see TPD4 Operations Guide for more information)
<b>EMBEDDED APPLICATIONS</b>	
Remote Management	VNC Server, G4 Web Control
Panel-to-Panel Conferencing	Receives audio and video and returns audio for panel-to-panel communication
Audio Conferencing	Audio (full duplex intercom)
<b>FRONT PANEL COMPONENTS</b>	
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 port, RJ-45 connector
USB	(1) USB host 2.0, Type A port
Power	PoE (Power over Ethernet), 802.3af, class 3
<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: 10.9 BTU/hr Standby: 10.6 BTU/hr
<b>GENERAL</b>	
Dimensions (HWD)	6 3/16" x 10 1/16" x 4 1/16" (157 mm x 255 mm x 103 mm)
Weight	2.6 lbs (1.179 Kg)
Power Consumption	Full-On: 14 W (max) Typical: 7.5 W Standby: 4.5 W Shutdown: 0.7 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)
Regulatory Compliance	FCC Part 15 Class B C-Tick CISPR 22 Class B IEC 60950-1 CE EN 55022, EN 55024 and EN 60950-1 UL 60950-1

	<p>IC CISPR 22 Class B  VCCI CISPR 22 Class B  RoHS/WEEE compliant</p>
Included Accessories	<ul style="list-style-type: none"> <li>• MXA-USB-C, USB Port Cover Kit, Modero X/S Series Touch Panel (FG5968-18)</li> <li>• Cat5e Ethernet Cable, Flat Black (ECA2265-10)</li> <li>• UTP CAT.5E Snap In Coupler, Black (64-5968-01)</li> </ul>
Optional Accessories	<ul style="list-style-type: none"> <li>• MSA-STMK-10, Secure Table Mount Kit for Modero S Series Touch Panel, 10" (FG2265-16)</li> <li>• MXA-MP, Modero X/S Series Multi Preview (FG5968-20)</li> <li>• MXA-MPL, Modero X/S Series Multi Preview Live (FG5968-10)</li> <li>• PS-POE-AF-TC, PoE Injector, 802.3AF Compliant (FG423-83)</li> <li>• NXA-ENET8-2POE, Gigabit PoE Ethernet Switch (FG2178-63)</li> <li>• MXA-BT, Bluetooth USB Adapter for Modero X/S Series Touch Panels (FG5968-19)</li> <li>• MXA-HST, Bluetooth Handset for Modero X/S Touch Panels (FG5968-17)</li> <li>• HPG-10-10K, 3/4" Mini-Grommet, 10-Pack (FG570-01-10K)</li> <li>• MXA-CLK, Modero X/S Series Cleaning Kit (FG5968-16)</li> <li>• MXA-USB-C, USB Port Covers for the Modero X/S Series Touch Panels (FG5968-18)</li> </ul>

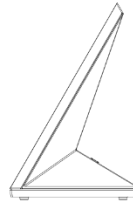
For a more detailed PDF or DXF pictorial drawing please visit: <http://www.amx.com/products/MST-1001.asp>



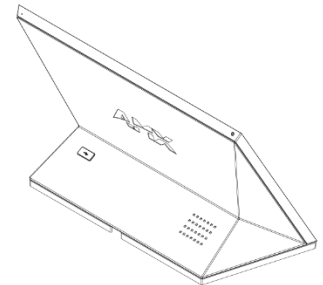
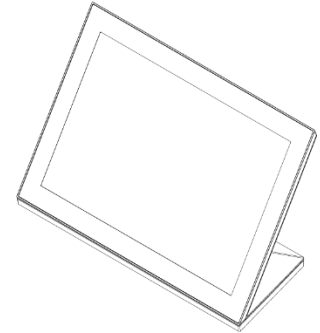
MST-1001  
(Top View)



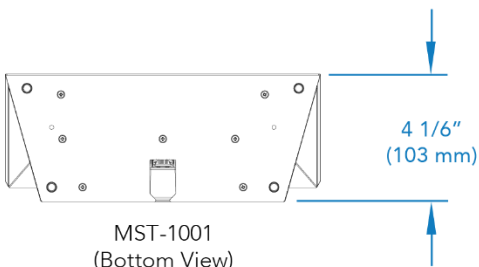
MST-1001  
(Front View)



MST-1001  
(Right View)



MST-1001  
(Isometric Views)



MST-1001  
(Bottom View)

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