

10.1" Modero® S Series Tabletop Touch Panel

MST-1001 (FG2265-05)



Overview

The Modero S Series is a beautiful touch panel family sophisticated enough for room control yet priced right for the most cost sensitive installations. The Modero S 10.1" tabletop includes VoIP, brilliant 24-bit color depth, PoE connectivity, USB and streaming video.

Common Applications

The MST-1001 has a sleek style to complement the Modero X, with new ruggedized plastic housing and secure tabletop mounting. It has a place at every table, from corporate conference rooms to higher education classrooms.

Features

- **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; 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, or mount it and use the lock together for extra security
- **Powerful Graphics** – Powered by G4, the Modero S Series features streaming video and brilliant 24-bit color depth

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, USB audio output for headsets
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	MPEG2-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 MPEG2 and H.264; HTTP for MJPEG
Max Number of Active Video Streams	One decode

AUDIO	
Microphone	-42dB ± 3dB sensitivity FET microphone
Speakers	4 ohm, 2 Watt, 500Hz 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)
Audio Output	USB Audio out USB port (head/hand set support)
File Formats	WAV, MP3 (as part of touch panel file only - no USB storage)
Intercom	Full Duplex VoIP, SIP v2.0

GRAPHICS ENGINE	
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)
EMBEDDED APPLICATIONS	
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)
FRONT PANEL COMPONENTS	
Sleep Button	Sleep button to activate sleep mode and powering off. Also provides access to setup pages (can be disabled)
CONNECTIONS	
Ethernet	10/100 port, RJ-45 connector
USB	(1) USB host 2.0, Type A port
Power	PoE (Power over Ethernet), 802.3af, class 0
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: 10.9 BTU/hr Standby: 10.6 BTU/hr
GENERAL	
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) AMX does not support the use of non-AMX power supplies
Certifications	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 IC CISPR 22 Class B VCCI CISPR 22 Class B RoHS/WEEE compliant
Included Accessories	<ul style="list-style-type: none"> •MXA-USB-C, USB Port Cover Kit, Modero X Series Touch Panel (FG5968-18) •Cat5e Ethernet Cable, Flat Black (ECA2265-10) •UTP CAT.5E Snap In Coupler, Black (64-5968-01)

Optional Accessories	<ul style="list-style-type: none"> •MXA-MP, Modero X/S Series Multi Preview (FG5968-20) •MXA-MPL, Modero X/S 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/S Series Touch Panels (FG5968-19) •MXA-HST, Bluetooth Handset for Modero X/S Touch Panels (FG5968-17) •MSA-STMK-10, Secure Table Mount Kit for Modero S Series Touch Panel, 10" (FG2265-16) •MXA-CLK, Modero X/S Series Cleaning Kit (FG5968-16) •MXA-USB-C, USB Port Covers (FG5968-18) HPG-10-10K, 3/4" Mini-Grommet, 10-Pack (FG570-01-10K)
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For a detailed PDF or DXF pictorial drawing please visit: <http://www.amx.com/products/MST-1001.asp>

About AMX

AMX hardware and software solutions simplify the implementation, maintenance, and use of technology to create effective environments. With the increasing number of technologies and operating platforms at work and home, AMX solves the complexity of managing this technology with reliable, consistent and scalable systems. Our award-winning products span control and automation, system-wide switching and audio/video signal distribution, digital signage and technology management. They are implemented worldwide in conference rooms, homes, classrooms, network operation / command centers, hotels, entertainment venues, broadcast facilities, and more. ©2014 AMX. All rights reserved.

Specifications subject to change. Revised 13-Feb-2014.

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