

Analog Touch Monitor

18" TFT Color LCD Touch Monitor



MITSUTECH
INTERNATIONAL CORP



Model Selection

MT1800AVU/Tx 5 Pin D-Sub VGA PC graphic
Audio Stereo Speaker,
Video Composite and S-video
Input, USB
MT1500AVU/Tr for Resistive,
MT1500AVU/Tc for Capacitive

Touch Panel Specification

Type	Resistive
Electrical resolution	4096 x 4096
Communication system	Serial RS232
Durability	35 million touches in one location w/o failure
Accuracy	Deviation less than 2.03mm
Touch point density	15,500 touch points/cm
Touch activation force	Less than 113 gram
Surface hardness	3H
Operating Temperature	-15°C to 50°C
Storage Temperature	-40°C to 71°C
Relative Humidity	0-90% RH at 35°C, non-condensing
Ball impact compliance	Meets UL 1950 standard
Fire retardation compliance	Meets UL-746C, 0.75" (19mm) flame test

Type	Capacitive
Electrical resolution	1024 x 1024
Response time	15ms
Communication system	Serial RS232
Durability	Over 20 millions times
Accuracy	Less than ±1% error
Optical Clarity	85% light transmission at 500nm
Conversion Speed	Upto 200 touch points per second at 19.2K baud
Initial Touch Down Speed	8-15 milliseconds
Operating Temperature	-15°C to 70°C
Storage Temperature	-62°C to 85°C
Relative Humidity	0-95% RH, non-condensing
Faceplate Surface	Polished or anti-glare etch versions available

LCD Specifications:

LCD	Screen Size	18.1" (46 cm) Diagonal.
	Panel Type	TFT active matrix
	Number of Pixel	1280 x 1024 (UXGA)
	Pixel Pitch	0.2805 mm x 0.2805mm
	Display Area (W x H)	14.1" x 11.3" (359.0 x 287.2mm)
	Surface Treatment	Anti-glare and hard coat 3H ON LCD surface
	Colors	16millions
	Brightness	150 cd /m ² (Typ.)
	Contrast	200:1(Typ.)
	Response Time	10ms (Max)
Input Signals	Video Signal	RGB Analog, 0.714 Vp-p, 75 Ω
	Synchronization	VGA-UXGA, NTSC/PAL/SECAM
	Horizontal Frequency	25 ~79.97 KHz,
	Vertical Frequency	56.0 ~ 86 Hz
Connector	Video Signal	15- pin D-SUB
	NTSC/PAL Video-in	RCA Connector x 2; S-Video connector x 1
	NTSC/PAL Video-out	RCA Connector x 1
	USB	Up stream Port x 1; Down stream x 4
Audio	Line in, Line out	Stereo (Mini Jack x 1), Stereo (Mini Jack x 1)
	Speaker	Stereo (3Watt x 2)
External Control	Switch	Power Switch, Choice of Input Ports,
	On-Screen Display	Brightness, Contrast, Color Control(R/G/B), Phase, Audio Control, Horizontal Size, Horizontal Position, Vertical Position, Auto Adjustment, Expansion, Recall, Reset, OSD Menu Position, OSD Language (English, Japanese)
Environment	Temperature	Operating: 5°C to +50°C Storage: -20°C to +60°C
	Humidity	Max. 95%RH (Non Condensing)
Power Supply		Input AC100-240V 50/60 Hz, Output: DC 12V
Power Consumption		45W(Max.) Stand by: 4W (Max.)
Power Management		VESA DPMS
Physical	Dimensions (W x H x D)	16.97" x 17.4" x 6.0" (431.0 x 442.0 x 153.0mm)
	Weight	22Lbs. (10kg)
Plug & Play		DDC2B (VESA Standard)
Other Features		VESA Holes standard 75 x 75 mm
Accessories		AC Adapter & Cord, RGB Cable, Audio Cable, Video Cable, Operating Manual
Options		Touch Screen, USB Hub, Speakers, NTSC/PAL
Limited Warranty		One Year on Parts and Labor

* Specification subject to change without prior notice.