Introduction

MT8000 series is the new HMI generation of Weintek. With the design concept of meeting customers' satisfaction while easy-to-Use attribute as before, a MT8000 not only performs as a Human Machine Interface but also plays as a role of data exchange center. Through the most popular Ethernet connection, data can be shared among MT8000s without limitation and any SCADA/HMI software on the PC can simply access data from MT8000s.MT8000 series is the best choice for your requirement tomorrow.
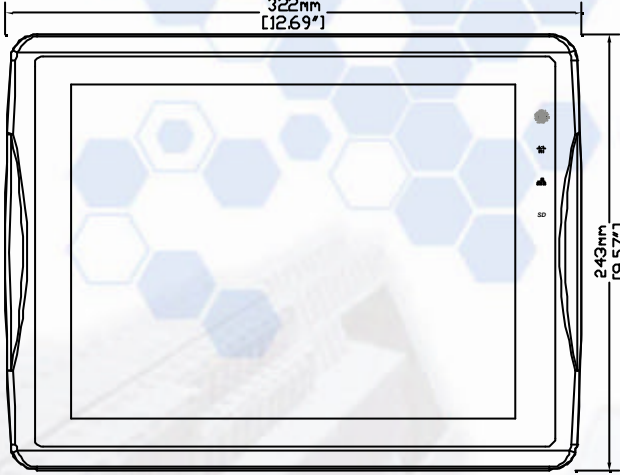
Specifications

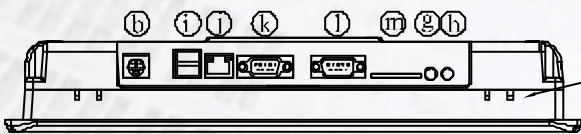| Hardware Specification	
Display	12.1" TFT
Brightness	400 cd/m^2
Color	65,536 colors
Contrast Ratio	500:1
Resolution (WxH dots)	800 x 600
Back light	CCFLx2
CCFL life time	50,000 hr. min.
Touch panel	4 wires resistive type
Touch Accuracy	Active Area Length(X) ±2%, Width(Y) ±2%
Surface Hardness	4H
I/O port	COM1 (RS-232/RS-485 2W/4W), COM2(RS232), COM3(RS-232/RS-485 2W),1 Ethernet port (10/100 Base-T)
USB Host	2 USB 2.0 Full Speed Host port
Audio	1 x Audio Line Out, 1 x MIC In
Processor	AMD Geode™ LX800/500MHz core processor
Storage	256MB D.O.M
DRAM	256MB on board DDR-400MHz SDRAM
SD card slot	Support SDHC/SD, MT8000 doesn't support Plug and Play.
RTC	Built-in (CR2032 3V lithium battery.)
General Specification	
Input Power	24±20% VDC (Power Isolator Inside.)
Power Consumption	1.25 A@24VDC
CE	Complies with EN50081-2 and EN50082-2 standards
FCC	Complies with FCC Class A
Voltage resistance	500VAC (1 min.)
Isolation resistance	Exceed 50M at 500VDC
Vibration endurance	10 to 25 Hz (X,Y,Z direction 2G 30minutes)
Protection structure	IP65 front panel (O ring seal)
Operating Temperature	0~45°C
Operation humidity	10-90% RH (non –condense)
Enclosure	Plastic
Dimensions WxHxD	322 x 243 x 51mm
Panel cutout dimension	305 x 231 mm
Weight	Approx. 2.1 kg
Operating System	
Operating System	EB8000 V1.3.0 or Newer

Dimensions of MT8121X

Top View

Front View

322mm [12.69"]

243mm [9.57"]

Side View

51mm [1.99"]

44mm [1.72"]

Rear View

303mm [11.93"]

229mm [9.02"]
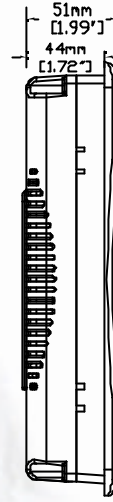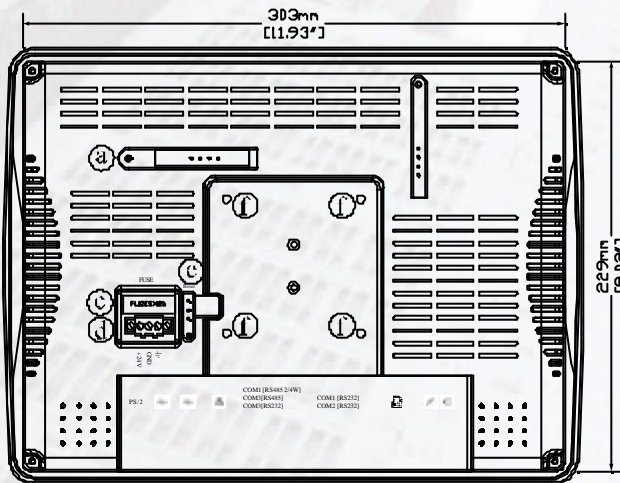
305mm [12.01"]
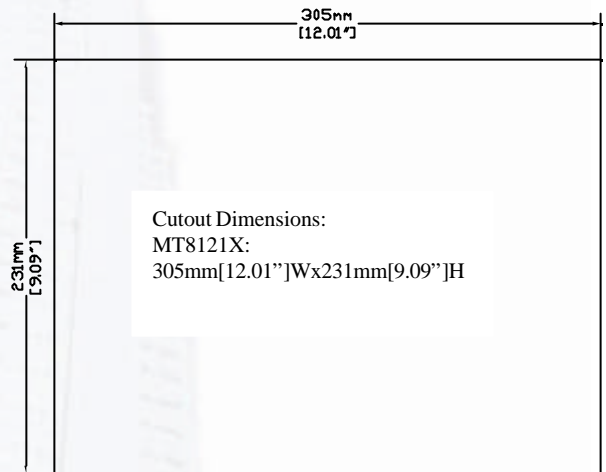
231mm [9.09"]

Cutout Dimensions:
MT8121X:
305mm[12.01"]Wx231mm[9.09"]H

FUSE

PS/2

COM1 [RS485 2/4W]
COM3[RS485]
COM3[RS232]

COM1 [RS232]
COM2 [RS232]

Bottom View

Panel-mounting clamp slots, 9 places

A IDE Interface (DOM Slot)	H Line Out
B N/A	I USB Host Port x 2
C Fuse	J Ethernet Port 10/100 Base-T
D Power Connector	K Com1 RS485,Com3 RS485, Com3 RS232
E Reset Button	L Com1 RS232, Com2 RS232
F VESA 75mm Screw Holes	M SD CARD SLOT
G Mic In	