



ART OF LOGIC
MACHINE LEARNING & ARTIFICIAL INTELLIGENCE

Point Screen Standard Screen

Specification_A01

Approved: _____
(Name) (Date)

Revision History

Revision	Description	Date
A01	First release	2022/03/17

General Description

Product: Overview: The model is based on the touch display of the industrial durable industry.

General Features

Resolution	Full HD 1920*1080 pixels
Backlight system	LED Matrix backlight
Interface	VGA*1 / HDMI*1 / DP*1 / Audio*1
USB	USB-HUB*1 / USB2.0 FHD Camera
Scaler IC	Realtek
OSD Control	5 key
Touch IC	EETI Controller
Speaker	3W 4Ω*2

Display General Specification

PARAMETER	SPECIFICATIONS	UNIT
Active area	193(H) × 344(V)	mm
Outline Dimension	249.14(H) × 399.83(V) × 45(D)	mm
Number of pixels	1920(H) × 1080(V)	Dot
Pixel pitch	0.17925(H) × 0.17925(V)	mm

Display colors	16.2	M
Transmissive mode	Normally Black	
Back-light	Lower Down side, I-LED Lighting Bar type	
Viewing Angle range	L/R : 85°/85° (Typ.) U/D : 85°/85° (Typ.)	Deg
Luminance Contrast ratio	800 : 1 (Typ.)	
Luminance of White	450(Typ.) 360(Min)	cd/m2
Response Time (Rising + Falling)	12(Typ.)	ms

PROJECTED CAPACITIVE TOUCH

GENERAL SPECIFICATION

Parameter	SPECIFICATIONS	Unit
Structures	Glass/Glass (ITO glass with Chemical enhanced)	
Total Thickness	2.7 ± 0.3 (Cover_1.8 & Sensor_0.7)	mm
Input Method	Finger or Cap. Stylus	
Accuracy	Within 2.5 each target	
Resolution	4096x4096 resolution	ppi
Hardness	≥7H	
Transparency	80 ± 2	%
Haze	4~7(Maximum)	%
Linearity (Note 1)	Line drawing accuracy : 1pt±1mm offset / 10mmTouch (point) accuracy : 1pt±1mm (Refer to Windows 8 Logo regulation)	
Report rate (Note 2)	> 100 Hz	sec
Response time	Average < 25 ms	sec
Note 1: Channel pitch should be design 4.8mm (Win8)		
Note 2: Report rate will vary by channel number, cover thickness and other parameters		

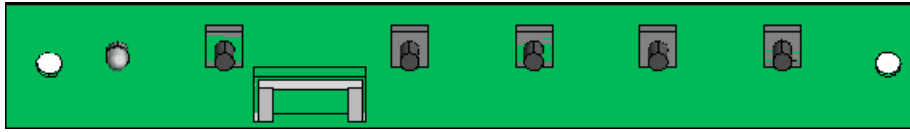
Touch Driver Support

OS	Version	Interfaces
Windows	Windows 10/8/7/VISTA/XP/2000/CE net5.0/6.0/7.0 Embedded/XP Tablet PC edition	USB
Linux	Distribution based on Kernel 2.6.24 and later. CentOS, Ubuntu/Linux, Debian, Fedora, Red Hat, Gentoo, Meego, Slackware, SUSE/openSUSE, Magaie/Mandriva/Mandrake and Yellow Dog etc.	USB
Mac	Mac OS, Mac OS X (PowerPC, Intel CPU)	USB
QNX	RTOS V6.3 to V6.6	USB

Display Logic Chip General Specification

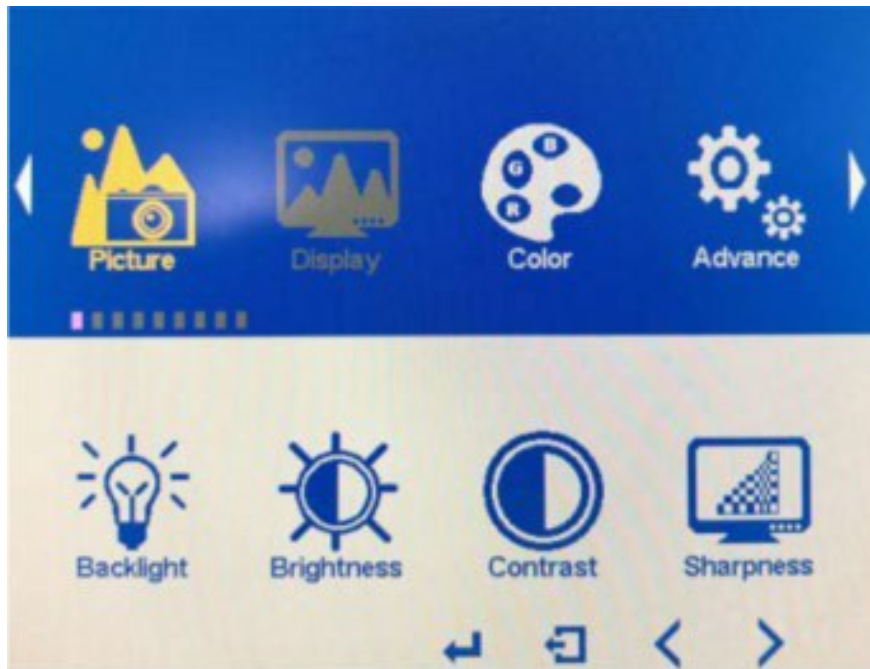
VGA	Analog RGB x 1
HDMI	Digital RGB x 1
DP	Digital RGB x 1
Plug & Play	DDC2B (VESA Standard) 100 x 100 mm
QNX	USB
Power Consumption	≤10 Watt (Typ.) @Set
Adapter	DC 12V
OSD Key Button	5 key
OSD Language	English / Chinese

Display Parameter Adjustment



OSD Default Setting

Item	Item 1	Item 2	Item 3	Item 4	Item 5	Item 6	Item 7
Auto Adjust							
Picture	Backlight	Brightness	Contrast	Sharpness			
	100	50	50	2			
Display (VGA Mode)	H.Position	V Position	Clock	Phase	White		
	50	50	50	52	Balance		
Color Temp	Cool	Normal 1	Normal 2	Warm	Standard	User	
Color Effect	Standard	Game	Movie	Photo	Vivi	User	
Color	Hue	Saturation					
	50	50					
Input	VGA	DP	HDMI				
Audio	Volume	Mute	Analog	Digital			
	50	off	Input Signal				
Language	English	France	Deutsch	Espanol	Traditional Chinese	Simplified Chinese	Japanese
OSD Menu	OSD H.Pos.	OSD V.Pos.	OSD Timer	Transparency	Rotate		
	50	50	10	0	0		
Recall							
Information	Channel	Frequency	PCLK	H Sync			
	input						



Applicable Timing

Resolution	Refresh Rate	Horizontal Frequency
640 x 480	60 Hz	31.649 KHz
800 x 600	75 Hz	46.875 KHz
1024 x 768	60 Hz	48.363 KHz
1280 x 768	60 Hz	47.4 kHz
1280 x 800	60 Hz	49.7 kHz
1280 x 960	60 Hz	60.0 KHz
1280 x 1024	60 Hz	63.981 KHz
1440 x 900	60 Hz	59.9KHz
1600 x 1200	60 Hz	75.0 kHz
1680 x 1050	60 Hz	65.3 kHz
1920 x 1080	60 Hz	67.5 kHz

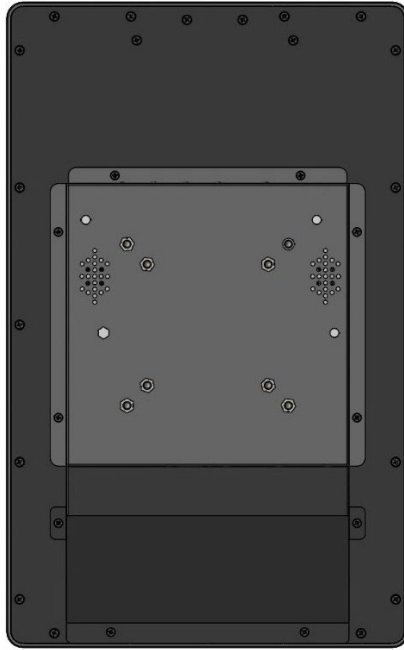
DISPLAY RELIABILITY TEST

No	Test Items	Conditions
1	High temperature storage test	Ta = 60 °C, 240 hrs
2	Low temperature storage test	Ta = -20 °C, 240 hrs
3	High temperature & high humidity operation test	Ta = 50 °C, 80%RH, 240 hrs
4	High temperature operation test	Ta = 50 °C, 240 hrs
5	Low temperature operation test	Ta = 0 °C, 240 hrs
6	Thermal shock	Ta = -20 °C ↔ 60 °C (0.5 hr), 100 cycle
7	Vibration test (non-operating)	1.5G, 10~500Hz, Half Sine X,Y,Z / Sweep rate : 1 hour
8	Shock test (non-operating)	220G, Half Sine Wave 2msec ±X,±Y,±Z Once for each direction
9	Electro-static discharge test	Air : 150 pF, 330Ω, 15 KV Contact : 150 pF, 330Ω, 8 KV

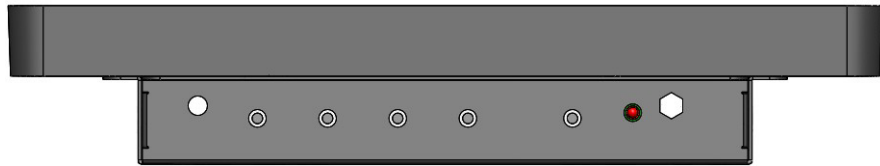
Front View:



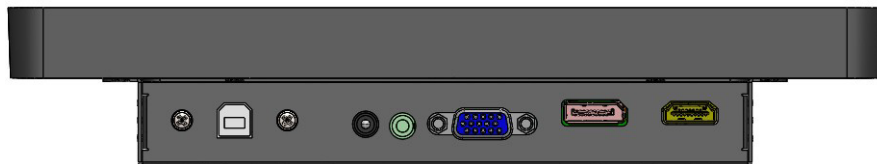
Back View:



Top View:



Bottom View:



Right View:

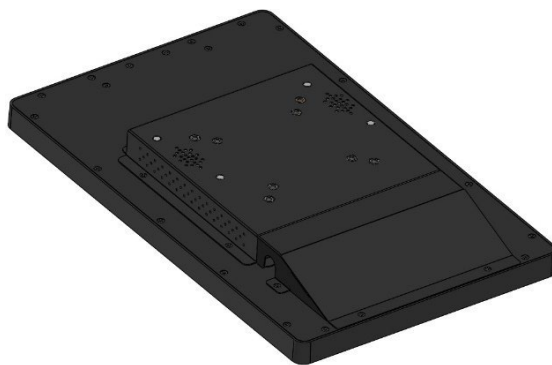


Others:

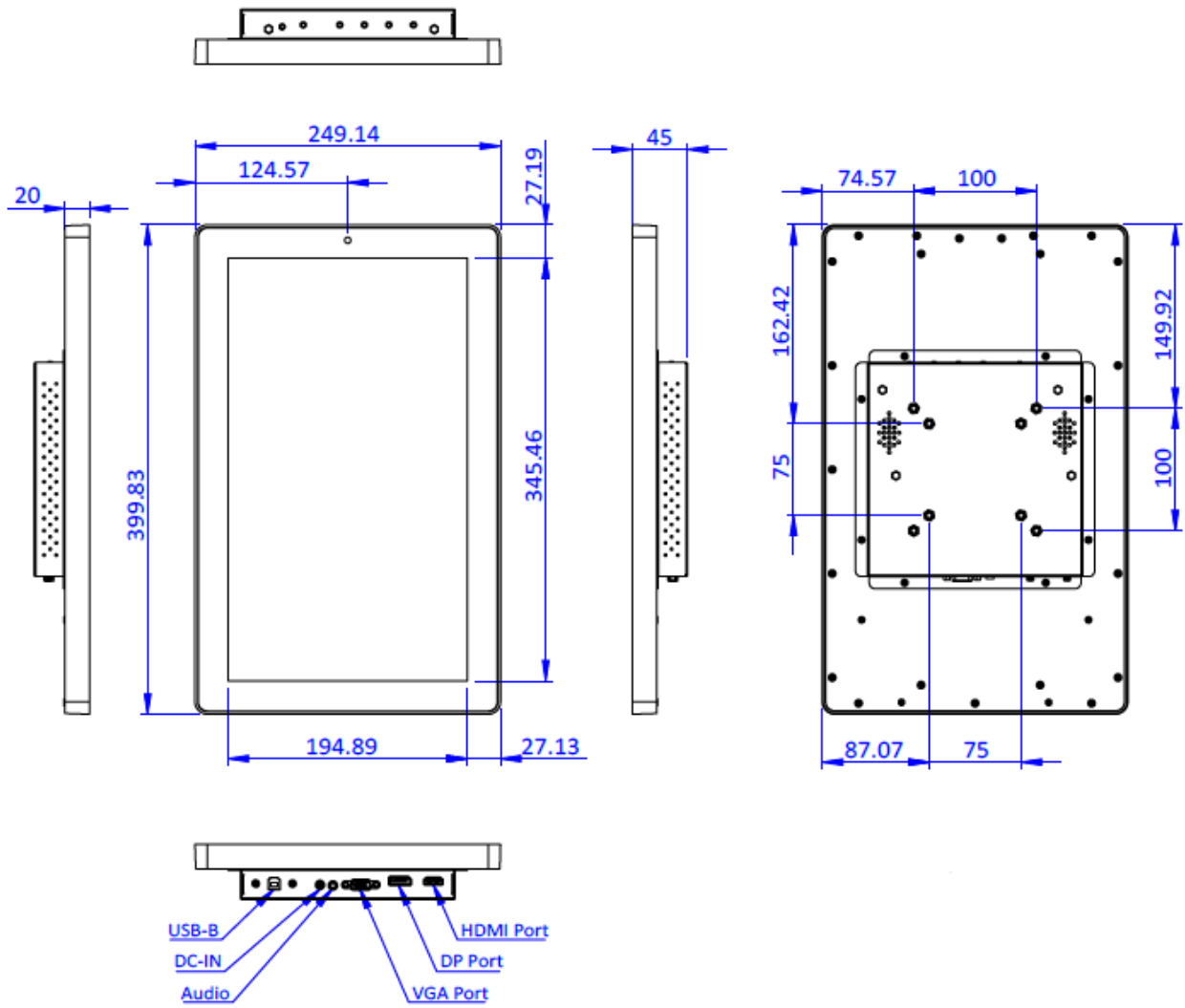




Others:



Dimension



Handwritten signature or mark.