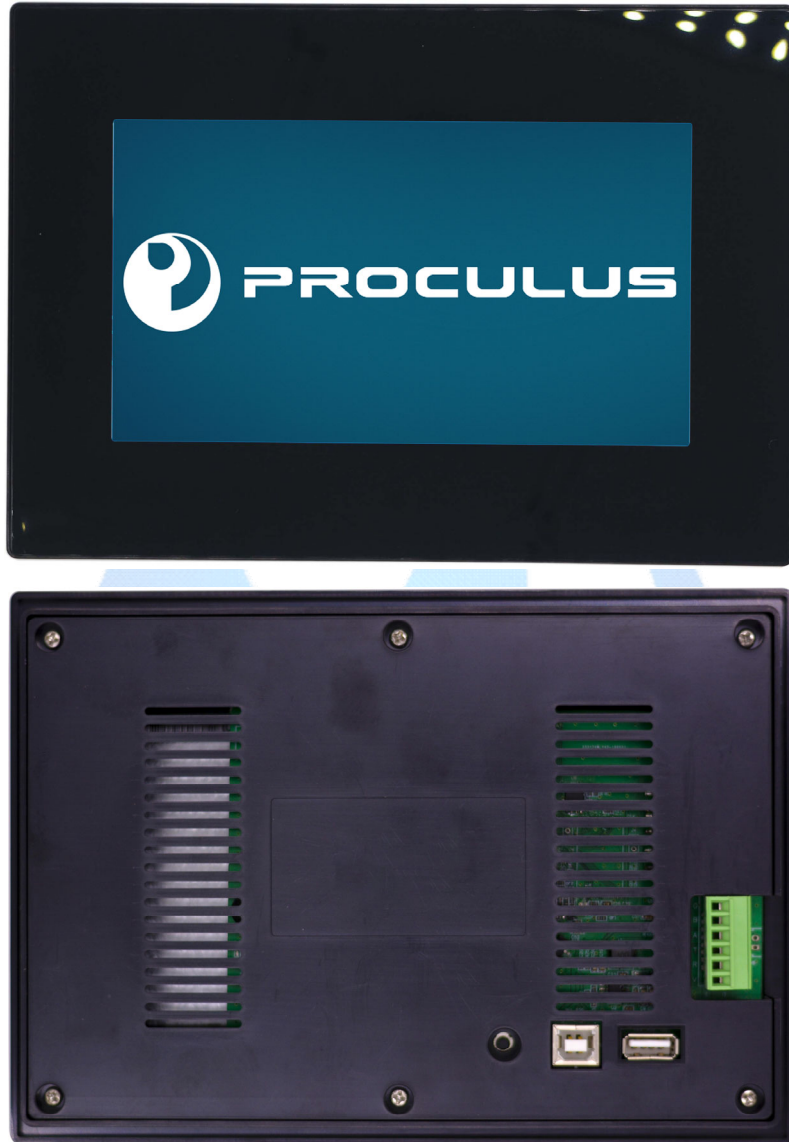


P80480J70T_B

7.0 Inches, 800xRGBx480, 65K Colors



Modification Record

Date	Content
2019/04/29	First release

Features

- Support wide range of power supply;
- Support RS232/TTL/CMOS, the max baud rate is 921600bps;
- Support audio;
- Support hardware JPG decoding which makes storage more efficient and display quicker;
- Support offline batch download through USB Flash Drive, which improves download efficiency and reduce requirements for operators;
- Support backlight brightness adjustment and automatic standby screen saver function;
- Support multi-language font library, picture, TWO-DIMENSIONAL code display;
- Support number and English input, customizable keyboard interface;
- Support 90 degrees, 180 degrees, 270 degrees screen rotation, adjustable visual angle;
- Easy-to-use UnicView GUIs Development, no coding skills required;
- Instant operation when power on without system load time;
- Excellent electromagnetic compatibility characteristics.

Display					
Color	65K (65536) colors, 16 bit color 5R6G5B				
View Area	54.1mm(width)×85.9mm(height)				
Resolution	800*480, 90° rotated display (480*800)				
Backlight /Lifecycle/Brightness	LED/20,000 HOURS/ 500 cd/m ² / (64 level adjustment)				
Working Temperature	-10~+60°C/-30~+85°C				
Waterproof Rate	IP65				
ESD Protection Rate	IEC4				
Voltage & Current					
Item	Condition	Min.	Typ.	Max.	Unit
Power Voltage		6	—	42	V
Recommended Power Supply: 12V 1A DC					
Reliability Test					
Item	Condition	Min.	Typ.	Max.	Unit
Working Temperature	60%RH at 12V voltage	-10	25	60	°C
Storage Temperature	-	-30	25	85	°C
Working Humidity	25°C	10%	60%	90%	RH
Protective Paint	-	-	None	-	-
Aging Test	-	-	8	-	H
Interface					

Item	Condition	Min.	Typ.	Max.	Unit
Baud Rate	Standard	1200	115200	921600	bps
	User Defined	1200	-	921600	bps
Interface	RS485,RS232,TTL				
Socket	6PIN 3.81mm pitch terminal interface, 8P 2.0HY-8 terminal				
USB	Yes				
SD slot	Yes (SD/SDHC, FAT32 file format)				

Memory

Item	Parameter	Min	Typ.	Max	Unit
Flash	Space of Font	-	32	-	MB
	Picture Storage (256MB)	-	-	295	Pcs
	Picture Storage (1GB)	-	-	1313	Pcs
	User' s Storage	0	-	32	MB

Peripherals

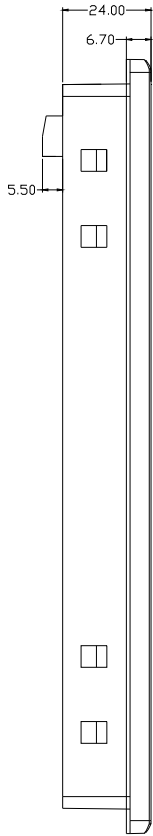
Buzzer	Yes
RTC	Yes
Resistive touch screen	Yes
SD Card	Yes
Audio	Yes

Installation

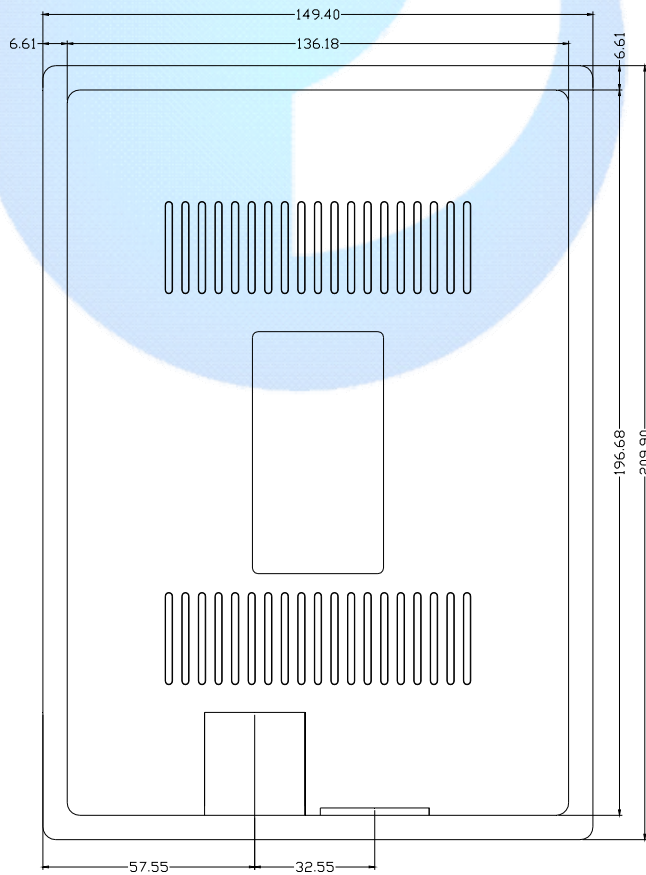
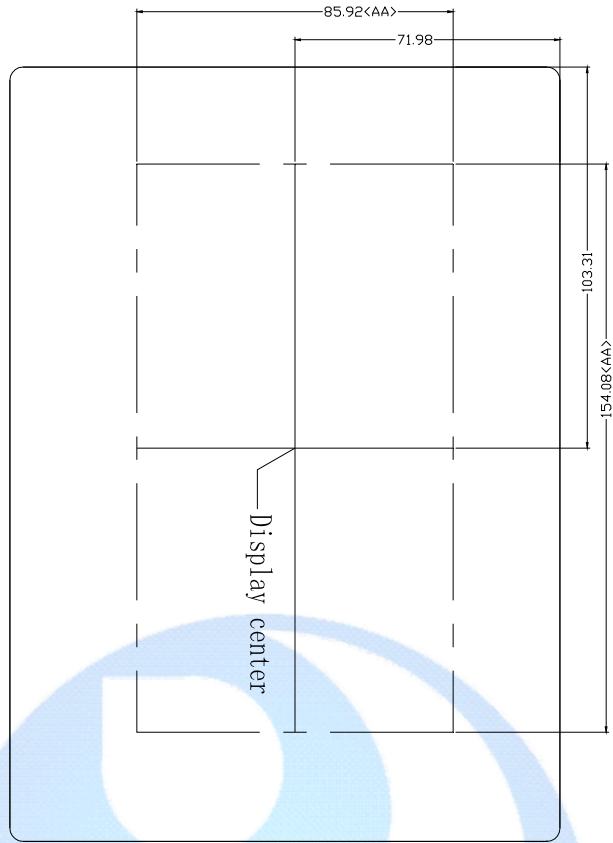
Item	Parameter
Material	ABS engineering materials
Color	Black
Size	209.4(width) ×149.2(height) ×23.9 (thickness) mm
Mounting hole size	192.3 mm ×137.0 mm
Mounting depth	20.85mm
Accessories	Waterproof rubber ring, installation buckle

Packaging and physical dimensions

Parameter	Data
Net weight of single piece	130g
Weight of whole case	480mm(L)×320mm(W)×230mm (H)
Packing specification	10 pieces /box



技术要求:
1. 单位: mm
2. 未注公差±0.3;



引脚编号	引脚名称	说明
1	VIN	电源输入/Power input
2	232_RX	RS232数据输入/RXD
3	232_TX	RS232数据输出/TXD
4	485+	RS485 A
5	485-	RS485 B
6	GND	公共地/GND

Instruction for installation

Step1: Embed the HMI into the hole cut



Step2: Place the buckle into the mounting hole as marked. There are 4 mounting holes in total. 4 buckles are needed for installation(2 on the front and 2 on the back);



Step3: Tighten the screw on the clip and fix the HMI to the device.

