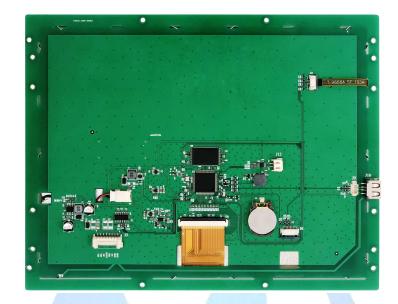


P80600V104I_T30

10.4 Inches, 800xRGBx600, 65K Colors



Modification Record

Date		Content	
2019/04/24		First release	
2020/09/18		ESD reliability testing has been added	

Features

- Support wide range of power supply: Default is 6~35V, use jumper to choose 4.5~5.5V;
- Support RS232/TTL/CMOS, the max baud rate is 115200bps;
- Support audio and video;
- 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.

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			Display					
Color			65K (65	36) colors	16 hit color ^r	5R6G5B		
Visual Angle L/R/U/D			65K (65536) colors, 16 bit color 5R6G5B 70°/70°/50°/70°					
			800*600, 90° rotated display (600*800)					
Backlight /Lifecycl		LED/	LED/20,000 HOURS/ 350 cd/m ² / (100 level adjustment)					
Working Tem	_	-			/-30~+80°C		,	
Voltage & Current								
ltem		Condition		Min.	Тур.	Max.	Unit	
Power Voltage					12	35	V	
Operation Current	VIN	l = 12V, Backlight	on		360	—	mA	
operation current	VIN	l = 12V, Backlight (off	—	120	—		
Note: Short-circui	t J25 to choose	e Power Input as 5	V (4.5V~5.5)	v)				
Interface								
ltem		Condition		Min.	Тур.	Max.	Unit	
Baud Rate		Standard		1200	_	115200	bps	
Interface			RS232 (Short-circuit J17/J18 to choose TTL/CMOS)					
Data Format	1 k	1 byte for initial, 8 bytes for data, invalid bytes for checksum, 1 byte for end.						
		Pe	eripherals					
Buzzer	YES							
RTC		YES						
Audio Port	Support	Support *.MP3 format. No time limit for single file. Theoretically 4096 files at maximum. Loudspeaker: 8Ω2W.					t maximum.	
USB		YES. For downloading offline or data copy.						
Memory	128M(sup	port *.jpg files, ma	ort *.jpg files, maximum 65536 files theoretically), extended to 1G at maximum.					
		Pin	definition					
J3 Pin Num.	Pin Name	Remarks	J3 Pin	Num.	Pin Nam	ne F	Remarks	
1	GND			5	DOUT	Se	rial output	
2	GND			5	NC		ndefined	
3	NC	Undefined	-	7	VIN	Pc	wer input	
4	DIN	Serial input	5	3	VIN	Pc	wer input	
Packaging and physical dimensions								
Parameter		Data						
Net weight of single	piece	i75g (no touch)/696g(resistive touch screen)/728g (capacitive touch screen)						
Weight of whole case		12.7kg (no touch)/15.2kg(resistive touch screen)/15.8kg (capacitive touch screen)						
Packing box size		500(mm)×335(mm)×245(mm)						
Packing specificat	ion	20 pieces /box						



Immunity Test

ESD test for electrostatic discharge

Test ambient temperature: 25°C

Test ambient humidity: 50%

Test process: Carry out contact and air discharge on the periphery of the iron frame and the display area of the serial port screen in turn, and observe whether the screen has abnormal working phenomena such as reset restart, black screen, white screen, communication interruption, and other abnormalities.

Discharge type	Discharge value	Result
Contact discharge	±6KV	Working properly.
Air discharge	±15KV	Working properly.

Note: All tests are conducted when the products are exposed. In the actual use process, when the serial port screen is assembled on the user equipment, the screen and the equipment are kept well-grounded, the ESD performance of the whole machine will be better.

EFT Test

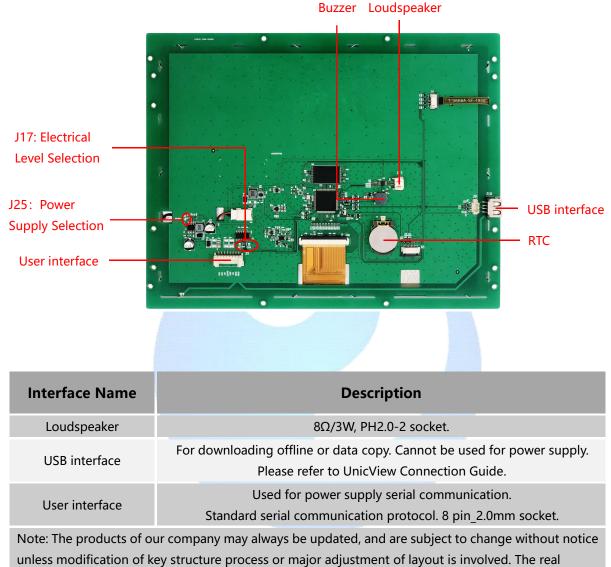
Test ambient temperature: 25℃

Test ambient humidity: 50%

Test process: The power supply line supplies power to the screen through the power supply after the pulse Group generator is coupled with the pulse Group; the serial port signal line carries out serial port communication with the screen through the signal after the pulse Group generator is coupled with the pulse Group; and the screen is observed whether abnormal working phenomena such as reset restart, black screen, white screen, abnormal communication, and communication interruption.

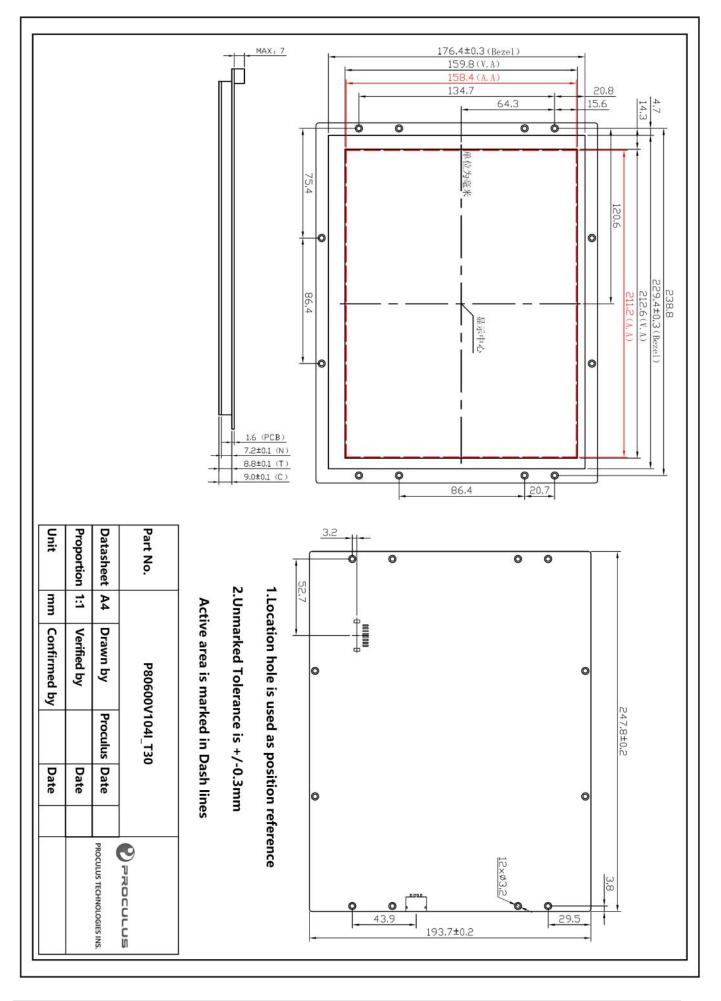
Test item	Test s	standard	Result	
	Voltage	Frequency	Result	
Power cord	4 KV	100 KHz	Working properly.	
Signal line	2 KV	100 KHz	Working properly.	





Interface Description

products shall prevail.



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