

# P48640V35I\_T31

3.5 Inches, 480xRGBx640, 65K Colors, UNICView LCM



● Display

Item	Parameter	Description
Color	65K (65536) colors	16 bit color 5R6G5B
Visual Angle L/R/U/D	55° /60° /45° /60°	
Resolution	480*640	90° rotated display (640*480)
Backlight /Lifecycle/Brightness	LED/50,000 HOURS/ 300 cd/m <sup>2</sup>	
Working Temperature	-20~+70°C/-30~+80°C	64 levels adjustment
Static ESD	±10KV	

● Voltage & Current

Item	Conditions	Min	Typ	Max	Unit
Power Voltage	-	6	12	40	V
Operation Current	VIN = 12V, Backlight on	-	120	-	mA
	VIN = 24V, Backlight on	-	70	-	mA
	VIN = 12V, Backlight off	-	60	-	mA

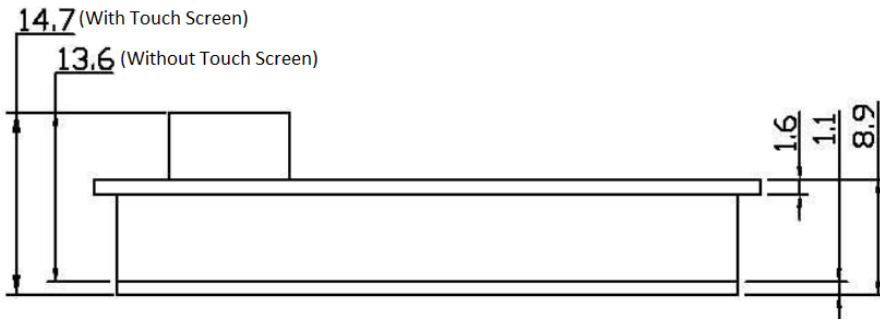
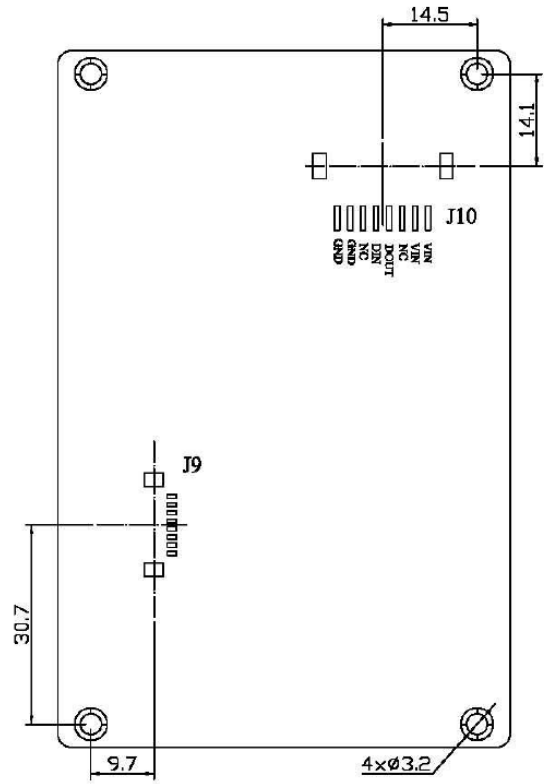
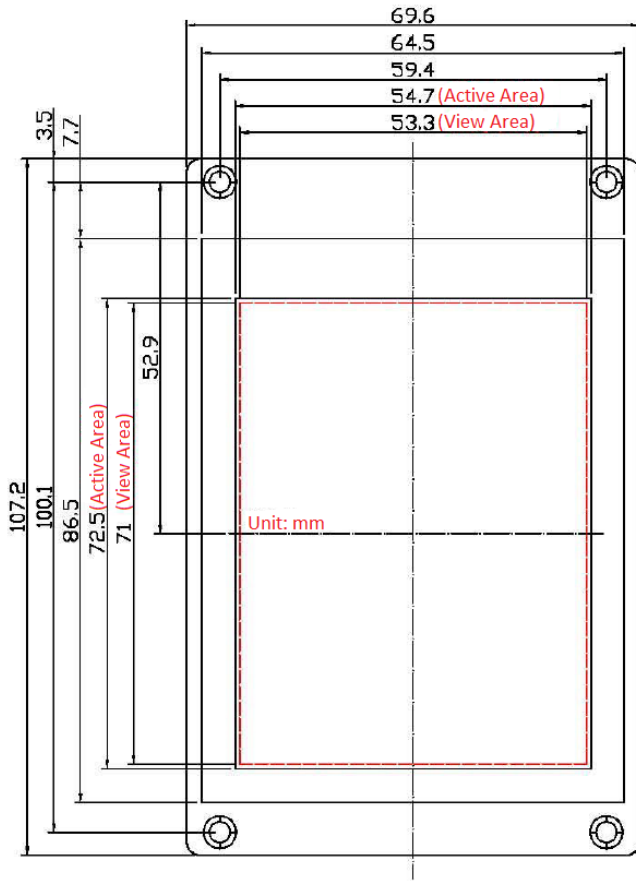
● Interface

Item	Conditions	Min	Typ	Max	Unit
Baudrate	Standard	1200	-	115200	bps
Interface	RS232C				
Data Format	1 byte for initial, 8 bytes for data, invalid bytes for checksum, 1 byte for end				
Socket	SMD2.0-8P with lock catch				


● Peripherals

No.	Parameter	Description	
1	Touch Screen	4-wire resistance touch screen: P48640V35I_T31	
		4-wire capacitive touch screen: P48640V35I_P31	
		No touch screen: P48640V35I_N31	
2	Buzzer	YES	
3	RTC	YES	
4	USB	YES. For downloading offline or user data copy.	External board needed for online debugging
5	USB Mini	YES. For online debugging.	
6	Audio	Support *.MP3 files. Theoretically 4096 file at maximum. Speaker power: 8Ω2W.	
7	Keyboard	Support external row keyboard, 8*8 maximum, external board needed.	
8	Memory	128M(support *.jpg files, maximum 65536 files theoretically), extended to 1G at maximum.	





Pin Name	Pin Definition	Pin Type	Remarks
VIN	7,3	P	POWER INPUT
GND	1,2	-	GND
DIN	4	IN	DIN
DOUT	5	OUT	DOUT
NC	3,5	-	Not Defined

Part No.	P48640V35I_T31				 PROCLUS TECHNOLOGIES INC.
Datasheet	A4	Drawn by	Proculus	Date	
Proportion	1:1	Verified by		Date	
Unit	mm	Confirmed by		Date	