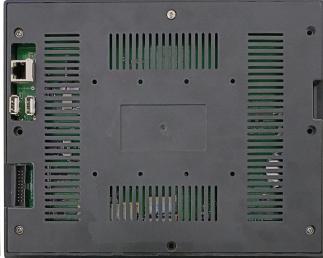
# DMT10768T097\_35WTC





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# System Hardware

Properties	Parameters		
Motherboard Level	Industrial-grade		
СРИ	A40i, Quad-core ARM CortexTM-A7 1.2GHz Processor		
os	Linux 3.10		
Storage	8Gbytes eMMC		
RAM	1Gbytes DDR3		

## Display Parameters

Properties	Parameters	Description		
Size	9.7 inch	-		
LCD Type	IPS, TFT LCD	-		
Viewing Angle	70°/70°/50°/70°	Wide viewing angle, high contrast, and good color reproduction		
Active Area (AA)	197.80mm(W)x148.66mm(H)	- 1111/2		
Viewing Area(VA)	197.80mm(W)x148.66mm(H)			
Resolution	1024x768	Available for 0°/90°/180°/270°rotated display		
Backlight Service Life	>20000 Hrs	Backlight service life refers to the period the LED backlight operates under test conditions until brightness decreases to 50% of the initial level.		
Brightness	250nit	100-level brightness adjustment (Flickering may occur at 1%-30% of max brightness; not recommended for use in this range)		

Note: Use dynamic screen saver to prevent afterimages from prolonged fixed page display.

## Touch Parameter

Properties	Parameters	
Touch Type	Capacitive touch panel	
Structure	G+G structure with tempered glass surface	

# Power Supply

Properties	Min	Тур	Max	Unit	
Power Voltage	9.0	12.0	36.0	V	
Recommended power supply:12V 1A DC.					

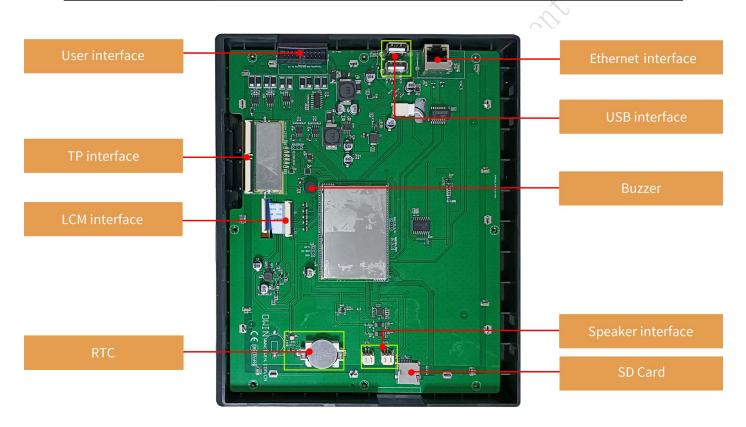
# Environment & Reliability Test

Properties	Properties Conditions		Тур.	Max	Unit
Working Temperature	king Temperature 60%RH at 12V voltage		25	65	°C
Storage Temperature	-	-30	25	80	°C
Working Humidity	25℃	10%	60%	90%	RH
Conformal Coating	Υ				
Ingress Protection	IP65 front panel waterproof				
ESD	Air discharge ±8KV				
EFT	Group pulse interference ±2KV				

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# Peripheral and Interfaces

Properties	Description			
User Interface	20Pin-2.54 vertical socket			
СОМ	RS232*2, RS485*2, RS422*1			
Ethernet	10/100Mbps			
USB	USB 2.0*2 (HOST)			
SD card	Max. 64G			
RTC	Accuracy: ±20ppm @25℃			
Buzzer	3V passive buzzer			
Speaker	2Pin_1.25mm interface*2			
CAN	CAN_L&CAN_H			



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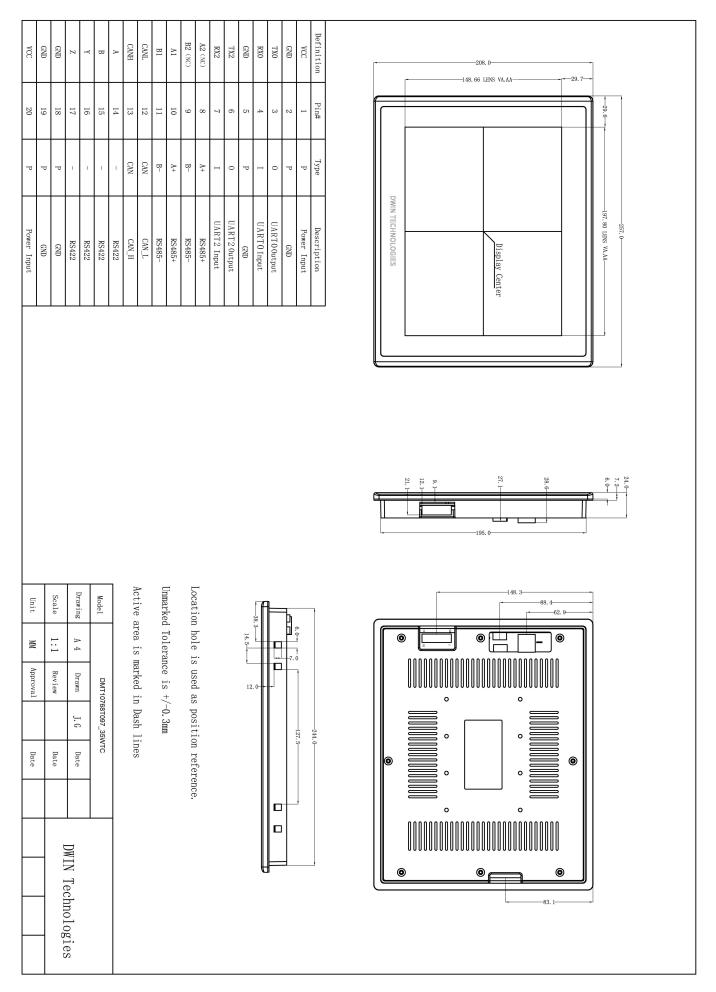


### Development Platform

Development	
QT	QtCreator2.7.2 and above

## Packing Capacity & Dimension

Dimension				
Dimension	257.0(W)x208.0(H)x28.6(T)mm			
Net Weight	1000g			
Packing Capacity				
Model	Size	Layer	Quantity/Layer	Quantity(Pcs)
Carton1:	220mm(L)×160mm(W)×47mm	-	-	-
Carton2:	250mm(L)×200mm(W)×80mm	2	1	2
Carton3:	320mm(L)×270mm(W)×80mm	-	-	-
Carton4:	450mm(L)×350mm(W)×300mm	-	-	-
Carton5:	600mm(L)×450mm(W)×300mm	1	10	10
	600mm(L)×450mm(W)×300mm			





#### Revision records

Rev	Revise Date	Content	Editor
00	2022-12-26	First Edition	YML
01	2025-05-16	Update Brightness	Chen
02	2025-06-10	Modify voltage range	Chen

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Thank you all for continuous support of DWIN, and your approval is the driving force of our progress!

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