DMT80480T050_36WTR





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System Hardware

Properties	Parameters			
Motherboard Level	Industrial-grade			
СРИ	T113, Dual-core ARM CortexTM-A7 1.0GHz Processor			
os	Linux 5.4			
RAM	128MBytes DDR3			
Storage	8GBytes eMMC			

Display Parameters

Properties	Parameters	Description		
Size	5.0 inch	-		
LCD Type	IPS, TFT LCD	- X		
Viewing Angle	85°/85°/85°	Wide viewing angle, high contrast, and good color reproduction		
Active Area (AA)	108.80mm(W)x65.60mm(H)	- Collin		
Resolution	800x480	- 1		
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	300nit	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	Resistive touch panel

Power Supply

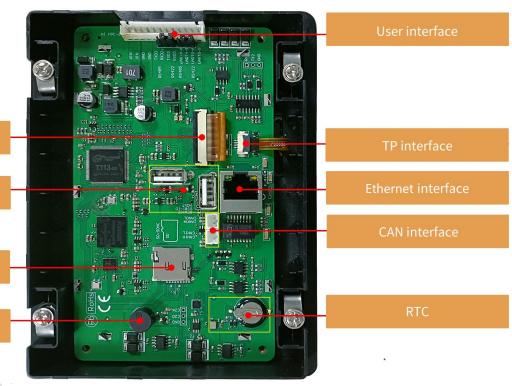
Properties	Min	Тур	Max	Unit	
Power Voltage	9.0	12.0	36.0	V	
Recommended power supply:12V 1A DC.					

Environment & Reliability Test

Properties	Conditions		Тур	Max	Unit
Working Temperature	60%RH at 12V voltage	-20	25	70	$^{\circ}$
Storage Temperature	-	-30	25	80	$^{\circ}$
Working Humidity	25 ℃	10%	60%	90%	RH
Conformal Coating	Yes				
ESD	Air discharge±8KV				
EFT	Group pulse interference ±2KV				

Peripheral and Interfaces

Properties	Description			
User Interface	12Pin_2.54mm socket			
сом	RS232*2 (COM 2 & COM3), RS485*2 (COM4 & COM5)			
CAN Interface	2Pin_2.0mminterface (CAN0, CAN1)			
USB	USB*2 (HOST)			
SD card	Max. 64G			
Ethernet	10/100Mbps			
RTC	Accuracy: ±20ppm @25℃			
Buzzer	3V passive buzzer			



LCM interface

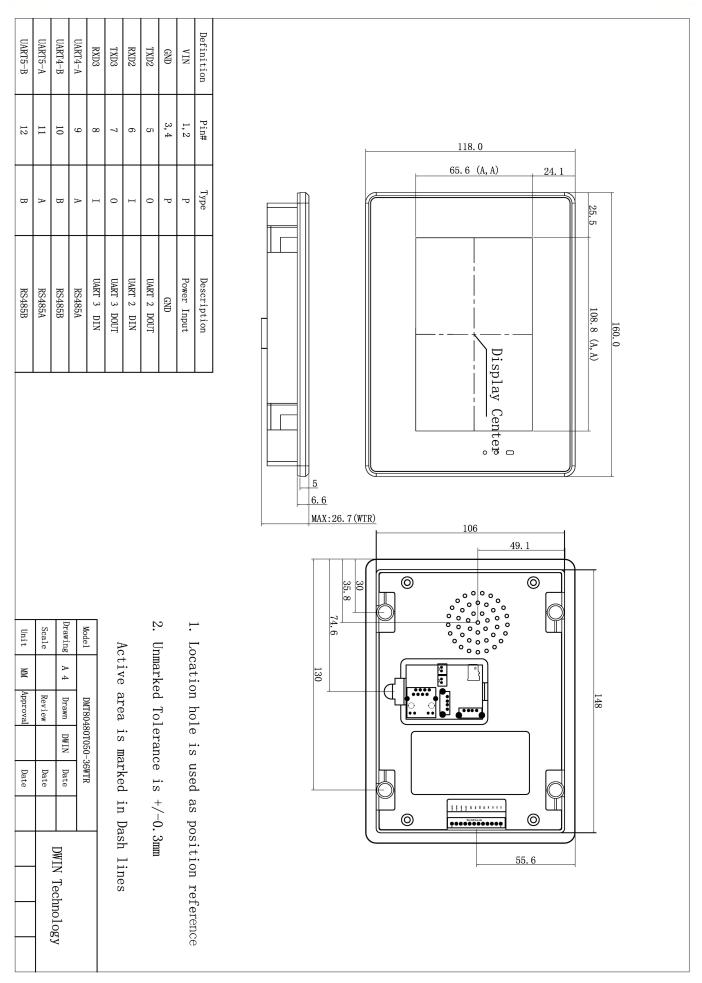
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Development Platform

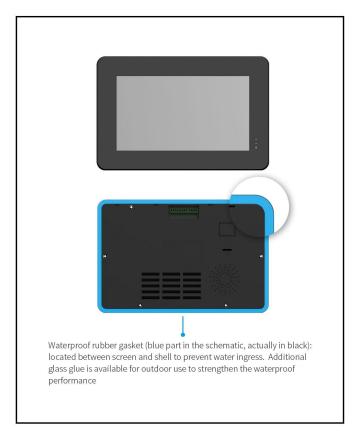
Development	
QT	QtCreator2.7.2 and above

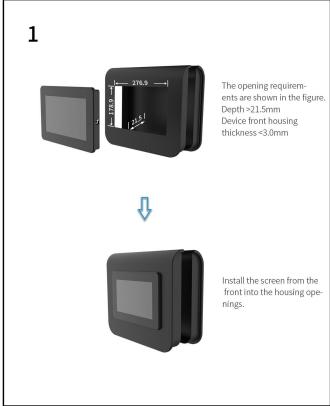
Packing Capacity & Dimension

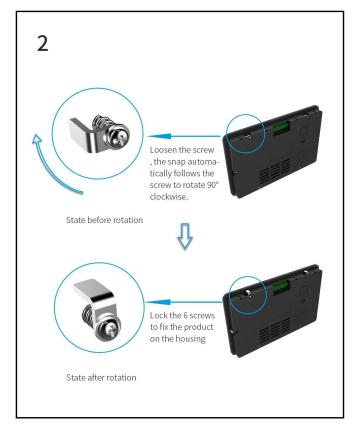
Dimension				
Dimension	160.00(W)x118.00(H)x26.70(T)mm			
Net Weight	340g			
Packing Capacity				
Model	Size	Layer	Quantity/Layer	Quantity (Pcs)
Carton1:	220mm(L)×160mm(W)×47mm	-	-	-
Carton2:	250mm(L)×200mm(W)×80mm	2	1	2
Carton3:	320mm(L)×270mm(W)×80mm	-	-	-
Carton4:	450mm(L)×350mm(W)×300mm	-		-
Carton5:	600mm(L)×450mm(W)×300mm	1	30	30
	600mm(L)×450mm(W)×300mm			

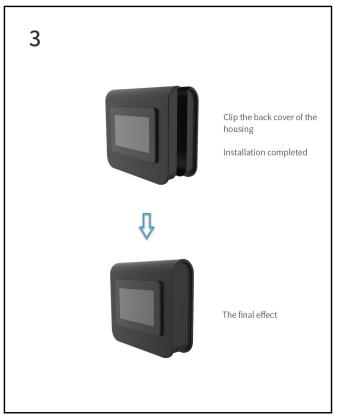


Installation Schematic









Revision records

Rev	Revise Date	Content	Editor
00	2023-08-07	First Edition	YML
01	2025-09-02	Modify Power Voltage	Chen Xian

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