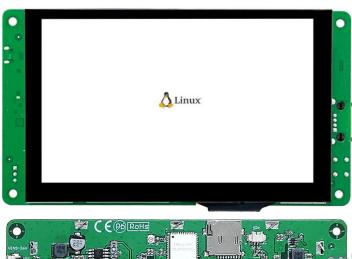
# DMG80480T050\_40WTC





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#### System Hardware

Properties	Parameters		
Motherboard Level	Industrial-grade		
CPU	RK3566, Quad-core ARM Cortex-A55, 1.8GHz Processor		
os	Linux 4.19		
Storage	8Gbytes EMMC		
RAM	2Gbytes LPDDR4		

# Display Parameters

Properties	Parameters	Description	
Size	5.0 inch	- ×	
LCD Type	IPS, TFT LCD	-	
Viewing Angle	85° /85° /85° /85°	Wide viewing angle, high contrast, and good color reproduction	
Active Area (AA)	108.0mm (W)*64.8mm (H)	-	
Visible Area (VA)	108.6mm (W)*65.4mm (H)	- 00	
Resolution	800*480	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.					

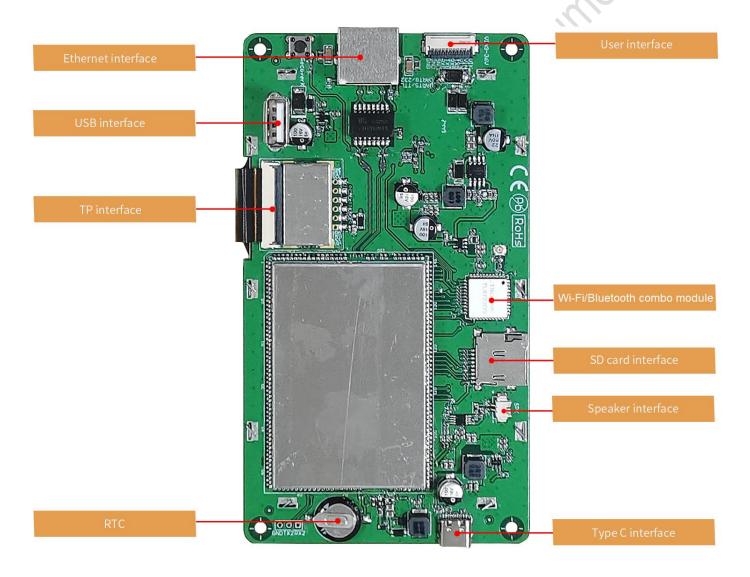
# Environment & Reliability Test

Properties Conditions		Min	Тур	Max	Unit
Working Temperature 60%RH at 12V voltage		-10	25	60	$^{\circ}$
Storage Temperature	-	-20	25	70	$^{\circ}$
Working Humidity	<b>25</b> ℃	10%	60%	90%	RH
Conformal Coating	Y				
ESD	Air: ±8KV; Contact: ±6KV				
EFT	Group pulse interference ± 2KV				

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# Peripherals and Interfaces

Properties	Description				
User Interface	10Pin_1.0mm socket				
СОМ	RS232*1(COM8), TTL*1(COM5)				
USB	USB 2.0*1(HOST), Type C*1(OTG)				
Wi-Fi	IEEE 802.11Bb/g/n, 2.4G, Bluetooth				
Bluetooth	4.2GHz				
Speaker	2Pin_1.25mm interface*1				
SD card	Drawer type card slot(Max 64G)				
RTC	Accuracy: ±20ppm @25℃				

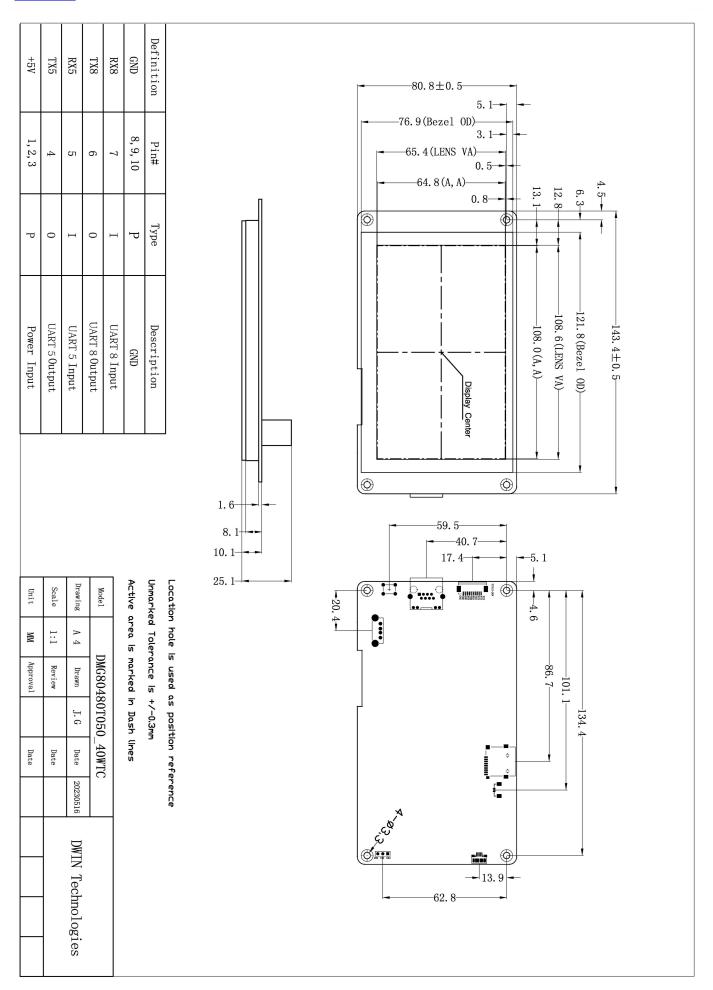


#### Development Platform

Development	
QT	QTCreator2.7.2 and above

#### Packing Capacity & Dimension

Dimension	143.4(W)*80.8(H)*25.1(T)mm			
Net Weight	185g			
Packing Capacity				
Model	Size	Layer	Quantity/Layer	Quantity(Pcs)
Carton1:	220mm(L)*160mm(W)*47mm (H)	1	1	1
Carton2:	250mm(L)*200mm(W)*80mm (H)	2	2	4
Carton3:	320mm(L)*270mm(W)*80mm (H)	2	3	6
Carton4:	450mm(L)*350mm(W)*300mm(H)	1	60	60
Carton5:	600mm(L)*450mm(W)*300mm(H)	2	60	120
	K SCHUOJOS.	SCHUICE		



#### **Revision Records**

Rev.	Revise Date	Content	Editor
00	2023-05-22	First Edition	YML
01	2025-01-02 Modify the voltage value range, add development		Chen
02	2025-03-12	Add the description of Bluetooth	Chen

Please contact us if you have any questions about the use of this document or our products, or if you would like to know the latest information about our products:

Customer service Tel: +86-400-018-9008

Customer service E-mail: dwinhmi@dwin.com.cn

Website: www.dwin-global.com

DWIN Developer Forum: https://forums.dwin-global.com/index.php/forums

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

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