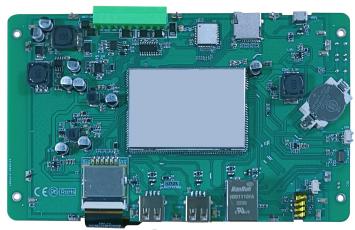
# DMG12800T070\_40WTC





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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	7.0 inch	-	
LCD Type	IPS, TFT LCD		
Viewing Angle	85° /85° /85° /85°	Wide viewing angle, high contrast, and good color reproduction	
Active Area (AA)	149.76mm(W)x93.60mm(H)	-	
Viewing Area(VA)	150.76mm(W)x94.60mm(H)	-	
Resolution	1280x800		
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)	

## 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	23.0	V	
Recommended power supply:12V 1A DC.					

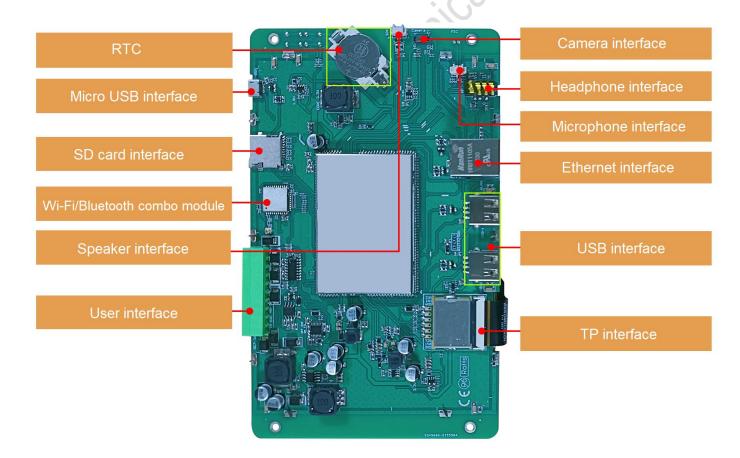
## • Environment & Reliability Test

Properties	Conditions	Min	Тур	Max	Unit
Working Temperature	60%RH at 12V voltage	-20	25	70	$^{\circ}$
Storage Temperature	-	-30	25	80	$^{\circ}$
Working Humidity 25°C		10%	60%	90%	RH
Conformal Coating	Y				
ESD	Air: ±8KV; Contact: ±6KV				
EFT	±2KV				
CE Certification	Y				

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## Peripherals and Interfaces

Properties	Description			
User Interface	10Pin_3.81mm Horizontal socket			
сом	RS232*2(COM5 & COM9), RS485*1, RS232/TTL*1(COM0, RS232 default)			
Ethernet	10/100Mbps			
USB	USB 2.0*2(HOST), Micro USB*1(OTG)			
SD Card	Max 64G			
RTC	Accuracy: ±20ppm @25℃			
Speaker	2Pin_1.25mm interface*1			
Microphone	2Pin_1.25mm interface*1			
Headphone	3.5mm spacing interface*1			
Camera	MIPI interface			
Wi-Fi	IEEE 802.11Bb/g/n, 2.4GHz, Bluetooth			
Bluetooth	4.2GHz			

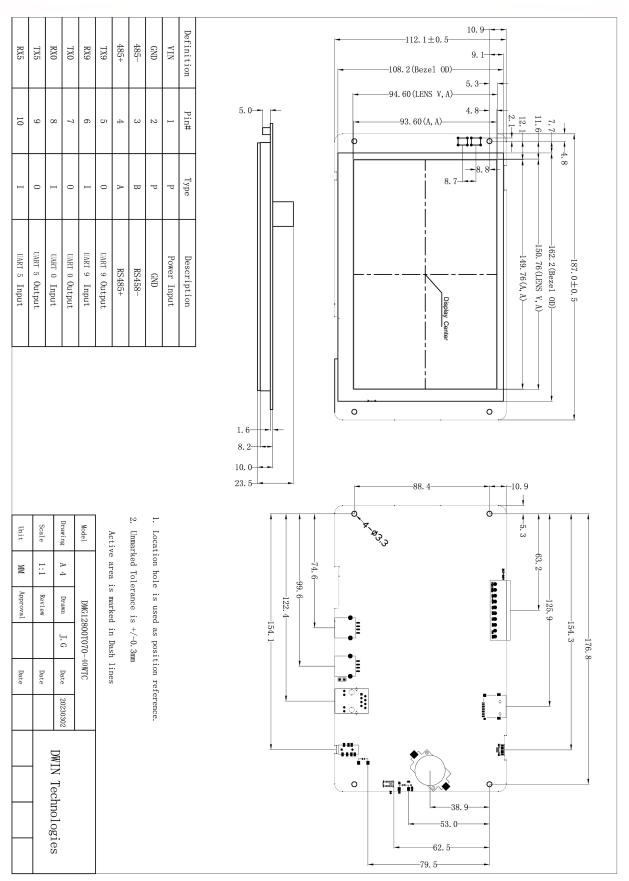


#### Development Platform

Development	
Linux	QTCreator2.7.2 and above

### Packing Capacity & Dimension

7.0(W)*112.1(H)*23.5(T)mm  0g  Size  0mm(L)*160mm(W)*47mm (H)  0mm(L)*200mm(W)*80mm (H)  0mm(L)*270mm(W)*80mm (H)  0mm(L)*350mm(W)*300mm(H)  0mm(L)*450mm(W)*300mm(H)	Layer - 2 2 1 1 1	Quantity/Layer  - 1 2 20 34	Quantity(Pcs - 2 4 20 34
Size  0mm(L)*160mm(W)*47mm (H)  0mm(L)*200mm(W)*80mm (H)  0mm(L)*270mm(W)*80mm (H)  0mm(L)*350mm(W)*300mm(H)	- 2 2 1	- 1 2 20	- 2 4 20
0mm(L)*160mm(W)*47mm (H) 0mm(L)*200mm(W)*80mm (H) 0mm(L)*270mm(W)*80mm (H) 0mm(L)*350mm(W)*300mm(H)	- 2 2 1	- 1 2 20	- 2 4 20
0mm(L)*160mm(W)*47mm (H) 0mm(L)*200mm(W)*80mm (H) 0mm(L)*270mm(W)*80mm (H) 0mm(L)*350mm(W)*300mm(H)	- 2 2 1	- 1 2 20	- 2 4 20
0mm(L)*200mm(W)*80mm (H) 0mm(L)*270mm(W)*80mm (H) 0mm(L)*350mm(W)*300mm(H)	2 2 1	1 2 20	2 4 20
0mm(L)*270mm(W)*80mm (H) 0mm(L)*350mm(W)*300mm(H)	2	2 20	4 20
0mm(L)*350mm(W)*300mm(H)	1	20	20
0mm(L)*450mm(W)*300mm(H)	1	34	34
		91 Docn	
echnology			
	echnology)		



#### **Revision Records**

Rev.	Revise Date	Content	Editor
00	2023-03-14	First edition	YML
01	2025-01-03	Modify the voltage value range, add development	Chen
02	2025-01-07	Modify values of working & storage temperature	Chen
03	2025-03-13	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:

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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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