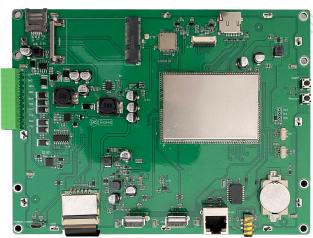
# DMG10768C080\_32WTC





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### System Hardware

Properties	Parameters			
Motherboard Level	Commercial-grade			
СРИ	RK3566, Quad-core ARM Cortex-A55 1.8GHz Processor			
os	Android 11			
RAM	2Gbytes LPDDR4			
Storage	8Gbytes eMMC			

## Display Parameters

Properties	Parameters	Description		
Size	8.0 inch	-		
LCD Type	IPS, TFT LCD	- X		
Viewing Angle	85°/85°/85°/85°	Wide viewing angle, high contrast, and good color reproduction		
Active Area (AA)	162.05mm(W)×121.54mm (H)	- cjili		
Viewing Area (VA)	162.60mm(W)×122.20mm (H)	- 100		
Resolution	1024×768	- 3		
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.				

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#### 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

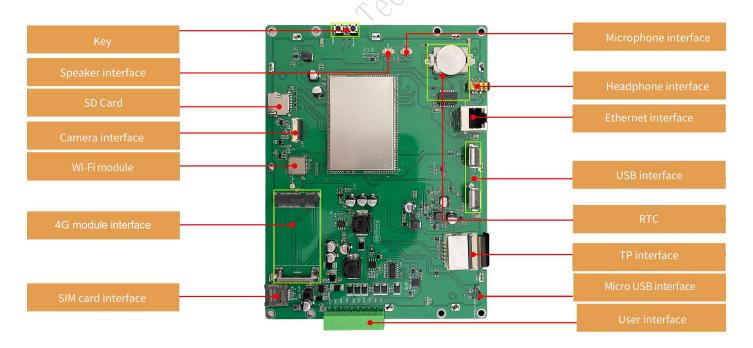
Properties	Conditions	Min	Тур	Max	Unit
Working Temperature	60%RH at 12V voltage	-20	25	65	$^{\circ}$
Storage Temperature	-	-30	25	80	$^{\circ}$
Working Humidity	25℃	10%	60%	90%	RH
Conformal Coating	Υ				
ESD	Air: ±8KV, Contact: ±6KV				
EFT	Group pulse interference ±2KV				

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Additional cooling required for operation above 65°C.

## Peripheral and Interfaces

Properties	Description		
User Interface	10Pin_3.81mm horizontal socket		
сом	RS232*2 (COM5 & COM9), RS485*1 (COM8), TTL*1 (COM0)		
Wi-Fi	IEEE 802.11b/g/n, 2.4GHz, Wi-Fi 4		
Bluetooth Version	BT4.2		
USB	USB 2.0*2 (HOST), Micro USB*1 (OTG)		
Speaker	2Pin_1.25mm interface *1		
Microphone	2Pin_1.25mm interface *1		
Headphone	3.5mm spacing interface *1		
Camera Interface	MIPI (24Pin_0.5mm interface)		
4G Module	Factory not configured, customizable to add		
SD card	Max. 64G		
RTC	Accuracy: ±20ppm @25℃		
Ethernet	10/100Mbps		



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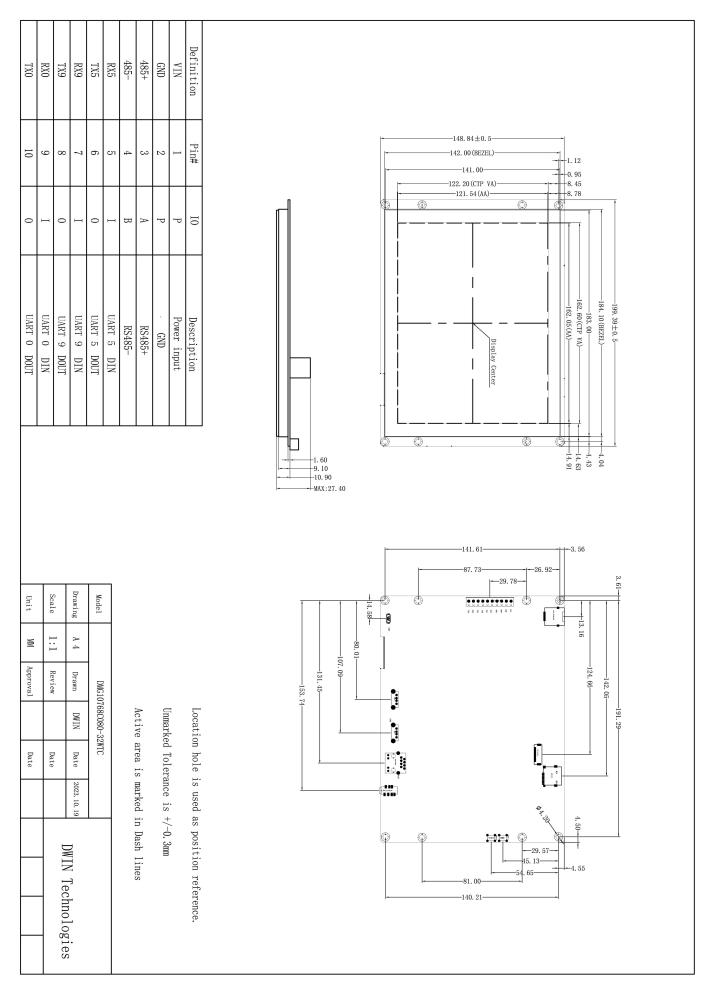


#### Development Platform

Development	
Android	Java, Kotlin, C++

#### Packing Capacity & Dimension

Dimension					
Dimension	199.39 (W)×148.84(H)×27.40(T)mi	m			
Net Weight	430g				
Packing Capacity	1 1009				
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	2	2	4	
Carton4:	450mm(L)×350mm(W)×300mm	1	10	10 20	
	320mm(L)×270mm(W)×80mm 450mm(L)×350mm(W)×300mm 600mm(L)×450mm(W)×300mm				





#### Revision Records

Rev.	Revise Date	Content	Editor
00	2023-04-24	First edition	YML
01	2023-5-15	Remove the 4G module and update the physical image	YML
02	2023-10-24	Update the PCB and Interface pictures	YML
03	2025-09-08	Modify the voltage supply	Chen Xian

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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