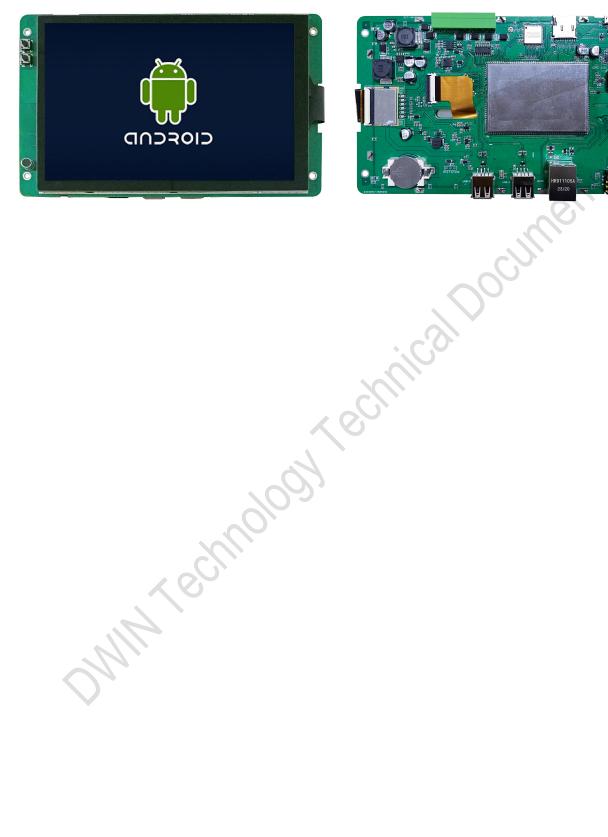
DMG12800C070_32WTC





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System Hardware

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

Display Parameters

Parameters	Description	
7.0 inch	-	
IPS, TFT LCD	-	
85° /85° /85° /85°	Wide viewing angle, high contrast, and good color reproduction	
94.20mm (W)*150.72mm (H)	-	
94.60mm (W)*151.12mm (H)	-	
800x1280	-	
>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	
250nit	100-level brightness adjustment (Flickering may occur at 1%-30% of max brightness; not recommended for use in this range)	
	7.0 inch IPS, TFT LCD 85° /85° /85° /85° 94.20mm (W)*150.72mm (H) 94.60mm (W)*151.12mm (H) 800x1280 >20000 Hrs	

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.					

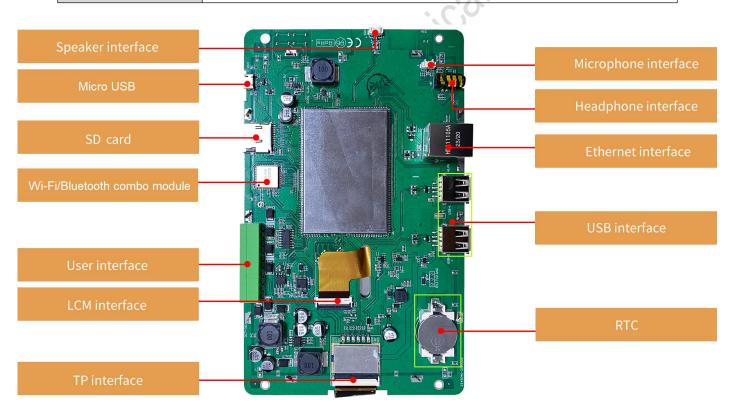
• Environment & Reliability Test

Properties Conditions		Min	Тур	Max	Unit
Working Temperature 60%RH at 12V voltage		-10	25	60	$^{\circ}$
Storage Temperature	-	-20	25	70	$^{\circ}$
Working Humidity	Working Humidity 25℃		60%	90%	RH
Conformal Coating	Υ				
ESD	Air: ±8KV, Contact: ±6K				
RE	Class B				

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Peripherals and Interfaces

Properties	Description			
User Interface	10Pin_3.81mm Horizontal socket			
СОМ	RS232*2(COM5 & COM8), RS485*1, RS232/TTL*1(COM0, RS232 default)			
Ethernet	10/100Mbps			
USB	USB 2.0*2(HOST), Mrico 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	USB 2.0			
Wi-Fi	IEEE 802.11Bb/g/n, 2.4GHz, Bluetooth			
Bluetooth	4.2GHz			

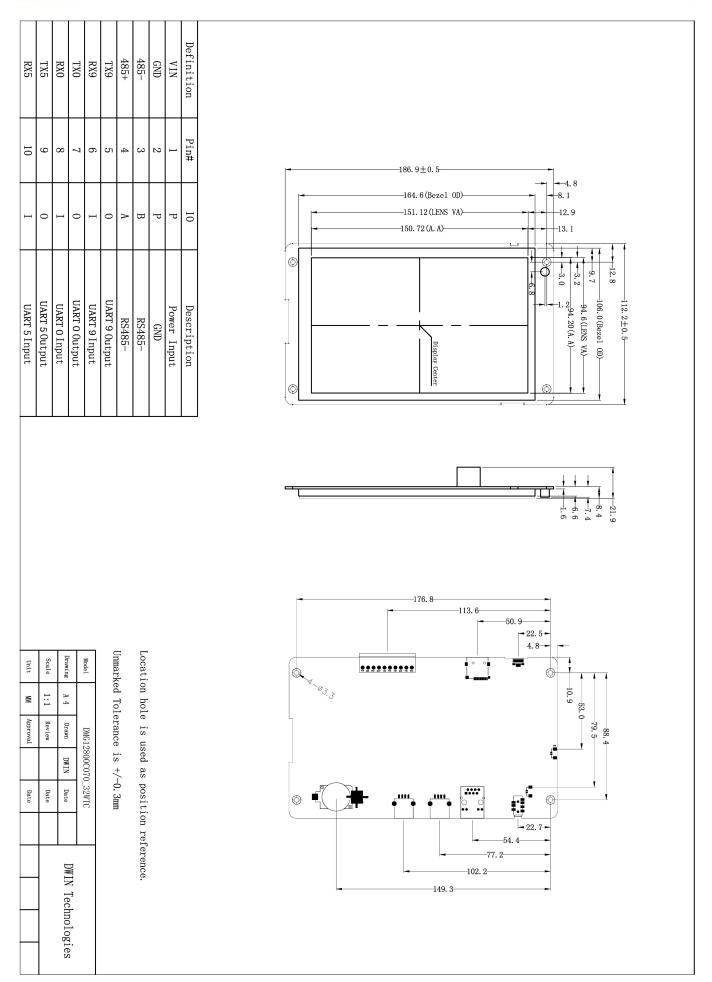


Development Platform

Development	
Android	Java, Kotlin, C++

Packing Capacity & Dimension

imension				
imension	112.2(W)*186.9(H)*21.9(T)mm			
let Weight	305g			
acking Capacity				
lodel	Size	Layer	Quantity/Layer	Quantity(Pcs
arton1:	220mm(L)*160mm(W)*47mm (H)	-	-	\ -
arton2:	250mm(L)*200mm(W)*80mm (H)	2	1	2
arton3:	320mm(L)*270mm(W)*80mm (H)	2	2	4
arton4:	450mm(L)*350mm(W)*300mm(H)	1	20	20
arton5:	600mm(L)*450mm(W)*300mm(H)	1	34	34
	1400	Schilli		
	Lechinology!	Schilli		



Revision Records

Ver	Revise Date	Content	Editor
00	2023-01-09	First edition	YML
01	2023-08-07	Modify the WIFI module information	YML
02	2024-01-29	Update appearance, ESD and temperature range	YML
03	2024-12-27	Modify the voltage value range, add development, update temperature and brightness	Chen
04	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:

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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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