

DMG10768T150_32WTC



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System Hardware

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

Display Parameters

Properties	Parameters	Description
Size	15.0 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)	304.13mm(W)x228.10mm(H)	
Viewing Area(VA)	305.50mm(W)x 229.50mm(H)	-
Resolution	1024x768	
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 scree	n saver to prevent afterimages fro	m prolonged fixed page display.

Touch Parameter

Properties	Parameters
Touch Type	Capacitive touch panel
ower Supply	

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Power Supply

Properties	Min	Тур	Мах	Unit
Power Voltage	12.0	12.0	36.0	V
Recommended power sup	oply: 12V 1A DC			

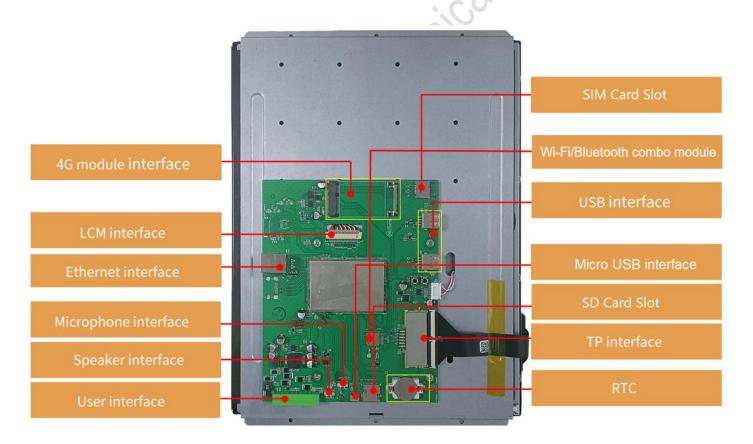
Environment & Reliability Test

Properties	Conditions	Min	Тур.	Мах	Unit
Working Temperature	60%RH at 12V voltage	-20	25	70	°C
Storage Temperature	-	-30	25	80	°C
Working Humidity	25 ℃	10%	60%	90%	RH
Conformal Coating		Y			
ESD	A	ir: \pm 8KV, Cor	ntact: ±6K		
EFT	Grou	up pulse interfe	erence ±2KV		

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• Peripherals and Interfaces

Properties	Description
User Interface	10Pin_3.81mm Horizontal socket
СОМ	RS232*2(COM5 & COM9), RS485*1, TTL*1(COM0)
Ethernet	10/100Mbps
USB	USB 2.0*2(HOST), Micro USB*1(OTG)
SD Card	Drawer type card slot (Max 64G)
RTC	Button cell for power supply. Accuracy: ± 20 ppm @25 $^\circ$ C
Speaker	2Pin_1.25mm interface*1
Microphone	2Pin_1.25mm interface*1
4G Module	Factory not configured, customizable to add
Camera	USB 2.0 interface
Wi-Fi	IEEE 802.11Bb/g/n, 2.4G, Bluetooth
Bluetooth	4.2GHz



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• Development Platform

 Development

 Android
 Java, Kotlin, C++

• Packing Capacity & Dimension

Dimension	Dimension			
Dimension	351.00(W)*253.50(H)*34.10(T)mm			
Net Weight	1430g			
Packing Capacity			• · · · ·	
Model	Size	Layer	Quantity/Layer	Quantity(Pcs)
Carton1:	220mm(L)*160mm(W)*47mm (H)	-	-	-
Carton2:	250mm(L)*200mm(W)*80mm (H)	-	-	-
Carton3:	320mm(L)*270mm(W)*80mm (H)	-	-	
Carton4:	450mm(L)*350mm(W)*300mm(H)	-		<u>6</u> -
Carton5:	600mm(L)*450mm(W)*300mm(H)	1	10	10
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DWIN Technology

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Ce.	32WTC	DWIN	Drawn	g A 4	Drawing			0	7	TX5
		DMG10768T150_32WTC	DMG		Mode1		UART 9 Input	Ι	6	RX9
rce.				1			UART 9 Output	0	IJ	TX9
ICe.	nes	n Dash 1:	Active area is marked in Dash lines	area is	Active		UART 0 Input	Ι	4	RXO
ıce.							UART 0 Output	0	3	TX0
ice.		-/-0.3mm	Unmarked Tolerance is +/-0.3mm	ed Toler	Unmarke		GND	Р	2	GND
	LOCALION NOIE IS USED AS POSILION FEIEFENCE.	ts positio	is used a	aron no	LOCALIO		Power Input	Р	1	VCC
	n roforon	, , , , , , , , , , , , , , , , , , ,		* holo	I ponti		Description	0I	Pin#	Definition
						34.10 34.10	351.00 Bezel 0D 			253.50 Bezel 0D

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Revision Records

Rev	Revise Date	Content	Editor
00	2023-11-21	First edition	YML
01	2025-01-07	Add the description of development platform	Chen
02	2025-03-12	Add the description of Bluetooth	Chen

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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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