# DMG10768T150\_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

Parameters	Description		
15.0 inch	-		
IPS, TFT LCD	-		
85° /85° /85° /85°	Wide viewing angle, high contrast, and good color reproduction		
304.13mm(W)x228.10mm(H)	-		
305.50mm(W)x 229.50mm(H)	- ~		
1024x768	- 111187		
>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		
300nit	100-level brightness adjustment (Flickering may occur at 1%-30% of max brightness; not recommended for use in this range)		
	15.0 inch  IPS, TFT LCD  85° /85° /85° /85°  304.13mm(W)x228.10mm(H)  305.50mm(W)x 229.50mm(H)  1024x768  >20000 Hrs		

## Touch Parameter

Properties	Parameters		
Touch Type	Capacitive touch panel		

## Power Supply

Properties	Min	Тур	Max	Unit	
Power Voltage	12.0	12.0	36.0	V	
Recommended power supply: 12V 1A DC					

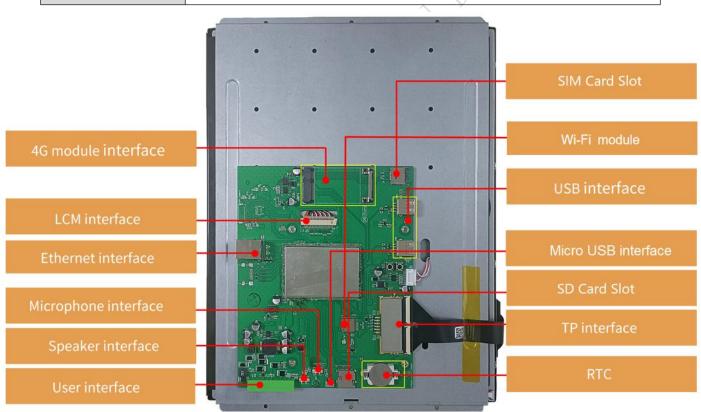
## Environment & Reliability Test

Properties	Properties Conditions		Тур.	Max	Unit
Working Temperature	60%RH at 12V voltage	-20	25	65	$^{\circ}$
Storage Temperature	Storage Temperature -		25	80	℃
Working Humidity	<b>25</b> ℃	10%	60%	90%	RH
Conformal Coating	Y				
ESD	Air: ±8KV, Contact: ±6K				
EFT	Group pulse interference $\pm 2$ KV				
Additional cooling required for operation above 65°C.					

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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	Max. 64G
RTC	Button cell for power supply. Accuracy: ±20ppm @25℃
Speaker	2Pin_1.25mm interface*1
Microphone	2Pin_1.25mm interface*1
4G Module	Factory not configured, customizable to add
Camera Interface	USB 2.0 interface
Wi-Fi	IEEE 802.11b/g/n, 2.4G, Wi-Fi 4
Bluetooth Version	BT4.2

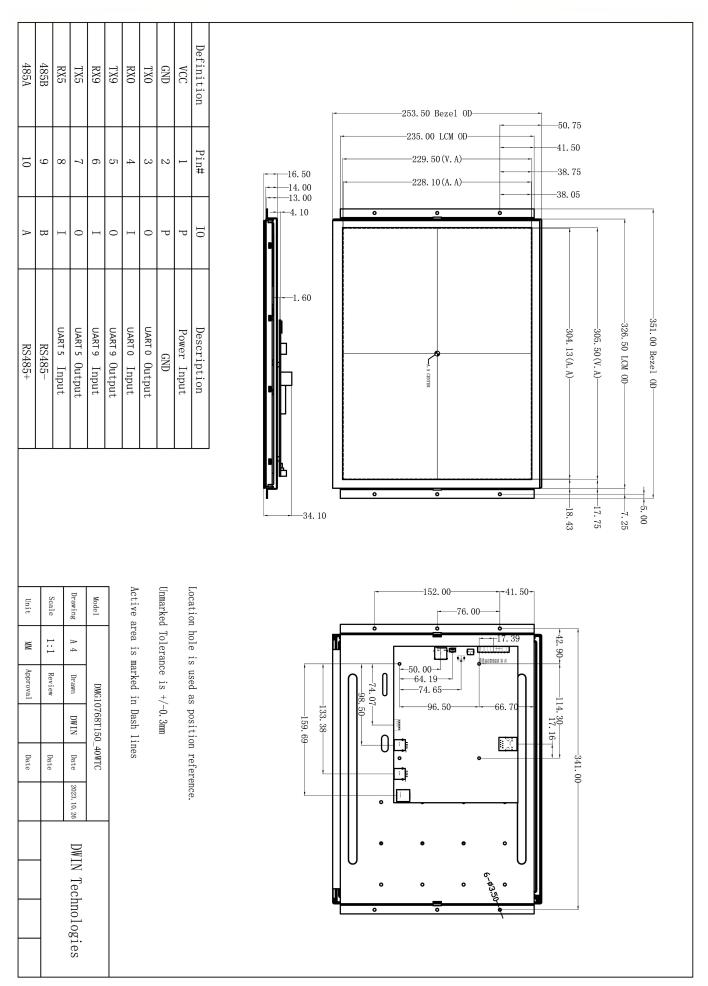


### Development Platform

Development	
Linux	QTCreator2.7.2 and above

### Packing Capacity & 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)	-	-	-
Carton5:	600mm(L)*450mm(W)*300mm(H)	1	10	10
	600mm(L)*450mm(W)*300mm(H)	Shiriles		





#### **Revision Records**

Rev	Revise Date	Content	Editor
00	2023-12-19	First edition	YML
01	2025-03-13	Add the description of Bluetooth	Chen
02	2025-06-17	Update the description of Wi-Fi module and the range of temperature	Chen

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