

# DMG19108C156\_40WTC





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# System Hardware

Properties	Parameters
Motherboard Level	Commercial-grade
СРИ	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	15.6 inch	-
Active Area (AA)	343.2mm (W)x192.6mm (H)	-
Viewing Area(VA)	342.2mm (W)x191.6mm (H)	-
Resolution	1920×1080	- ~
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	200nit	100-level brightness adjustment (Flickering may occur at 1%-30% of max brightness; not recommended for use in this range)
Note: Use dynamic screen	n saver to prevent afterimages fro	m prolonged fixed page display.

### Touch Parameter

Properties	Parameters		
Touch Type	Capacitive touch panel	(8)	

### Power Supply

Properties	Min	Тур	Max	Unit	
Power Voltage	9.0	12.0	36.0	V	
Recommended power supply: 12V 1A DC					

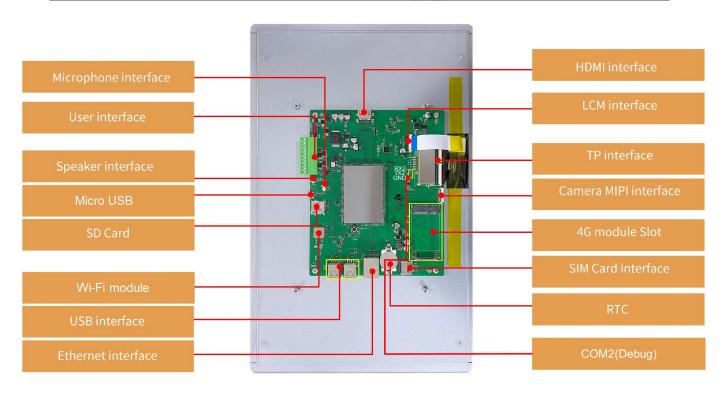
# Environment & Reliability Test

Properties	Conditions	Min	Тур	Max	Unit	
Working Temperature	60%RH at 12V voltage	-20	25	65	$^{\circ}$ C	
Storage Temperature	30 25 80 °C					
Working Humidity	25°C 10% 60% 90%				RH	
Conformal Coating	Y					
ESD	Air: ±8KV; Contact: ±6KV					
Additional cooling required for operation above 65°C.						



# Peripherals and Interfaces

Properties	Description		
User Interface	10Pin_3.81mm Horizontal socket		
сом	RS232*2(COM5 & COM9), RS485*1(COM8), TTL*1(COM0), TTL*1(COM2, debug)		
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		
Camera	USB*1/MIPI*1(front or rear optional)		
Wi-Fi	IEEE 802.11b/g/n, 2.4GHz, Wi-Fi 4		
Bluetooth Version	BT4.2		
4G Module	Factory not configured, customizable to add		
НОМІ	23PIN_HDMI_SH		





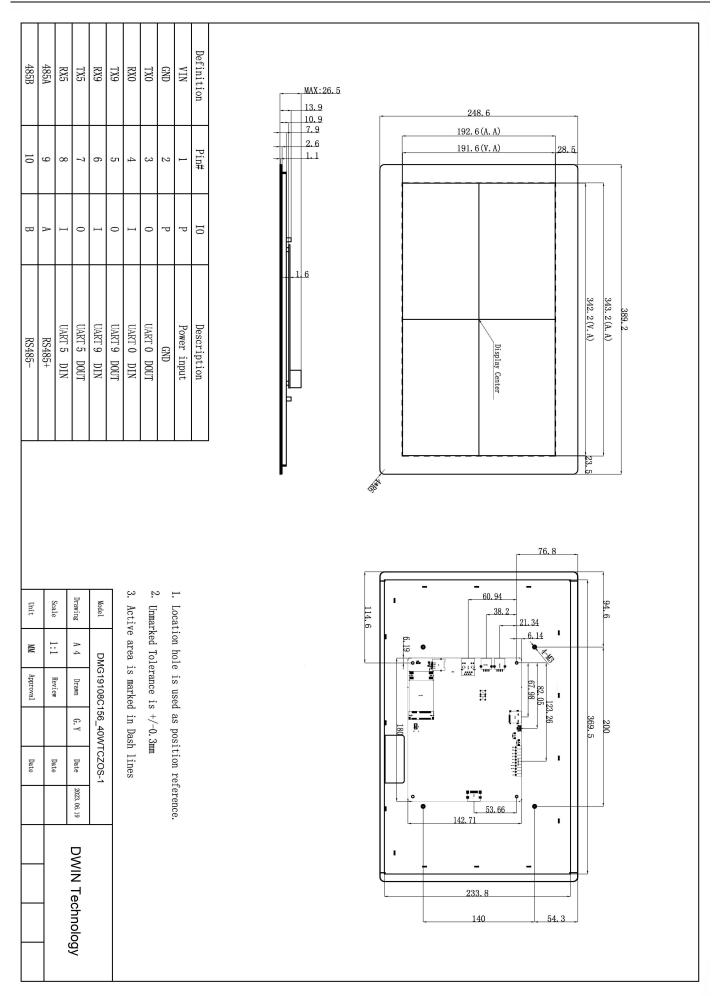
### **Development Platform**

Development	
Linux	QTCreator2.7.2 and above

## Packing Canacity & Dimension

Dimension   389.2(W)*248.6(H)*26.5(T)mm	Dimension				
Packing Capacity         Size         Layer         Quantity/Layer         Quantity/Capacity           Carton1:         220mm(L)*160mm(W)*47mm (H)         -         -         -           Carton2:         250mm(L)*200mm(W)*80mm (H)         -         -         -           Carton3:         320mm(L)*270mm(W)*80mm (H)         -         -         -           Carton4:         525mm(L)*330mm(W)*80mm(H)         1         1         1           Carton5:         450mm(L)*350mm(W)*300mm(H)         -         -         -           Carton6:         570mm(L)*340mm(W)*385mm(H)         1         5	Dimension	389.2(W)*248.6(H)*26.5(T)mm			
Model         Size         Layer         Quantity/Layer         Quantity/Caper           Carton1:         220mm(L)*160mm(W)*47mm (H)         -         -         -           Carton2:         250mm(L)*200mm(W)*80mm (H)         -         -         -           Carton3:         320mm(L)*270mm(W)*80mm (H)         -         -         -           Carton4:         525mm(L)*330mm(W)*80mm(H)         1         1         1           Carton5:         450mm(L)*350mm(W)*300mm(H)         -         -         -           Carton6:         570mm(L)*340mm(W)*395mm(H)         1         5	Net Weight	-			
Carton1:       220mm(L)*160mm(W)*47mm (H)       -       -       -         Carton2:       250mm(L)*200mm(W)*80mm (H)       -       -       -         Carton3:       320mm(L)*270mm(W)*80mm (H)       -       -       -         Carton4:       525mm(L)*330mm(W)*80mm(H)       1       1       1         Carton5:       450mm(L)*350mm(W)*300mm(H)       -       -       -         Carton6:       570mm(L)*340mm(W)*385mm(H)       1       5	Packing Capacity				
Carton2:       250mm(L)*200mm(W)*80mm (H)       -       -       -         Carton3:       320mm(L)*270mm(W)*80mm (H)       -       -       -         Carton4:       525mm(L)*330mm(W)*80mm(H)       1       1       1         Carton5:       450mm(L)*350mm(W)*300mm(H)       -       -       -         Carton6:       570mm(L)*340mm(W)*385mm(H)       1       5	Model	Size	Layer	Quantity/Layer	Quantity(Pcs
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Carton5: 450mm(L)*350mm(W)*300mm(H)	arton3:	320mm(L)*270mm(W)*80mm (H)	-	-	-
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#### **Revision Records**

Rev.	Revise Date	Content	Editor
00	2024-10-12	First edition	Chen
01	2025-01-03	Modify the voltage value range, add development	Chen
02	2025-03-12	Add the description of Bluetooth	Chen
03	2025-03-28	Update the rang of temperature	Chen
04	2025-06-17	Update the description of Wi-Fi module	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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