

DMG19108C156_A1WTC



● System Hardware

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

● Display Parameters

Properties	Parameters	Description
Size	15.6 inch	-
Viewing Area (VA)	343.16mm(W)×192.59mm (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 saver to prevent afterimages from prolonged fixed page display.

● Touch Parameter

Properties	Parameters
Touch Type	Capacitive touch panel
TP Structure	G+G structure with tempered glass surface, the bonding of the TFT LCD to the touch panel with OCA process.

● Power Supply

Properties	Min	Typ	Max	Unit
Power Voltage	12.0	12.0	36.0	V

Recommended power supply:12V 1A DC.

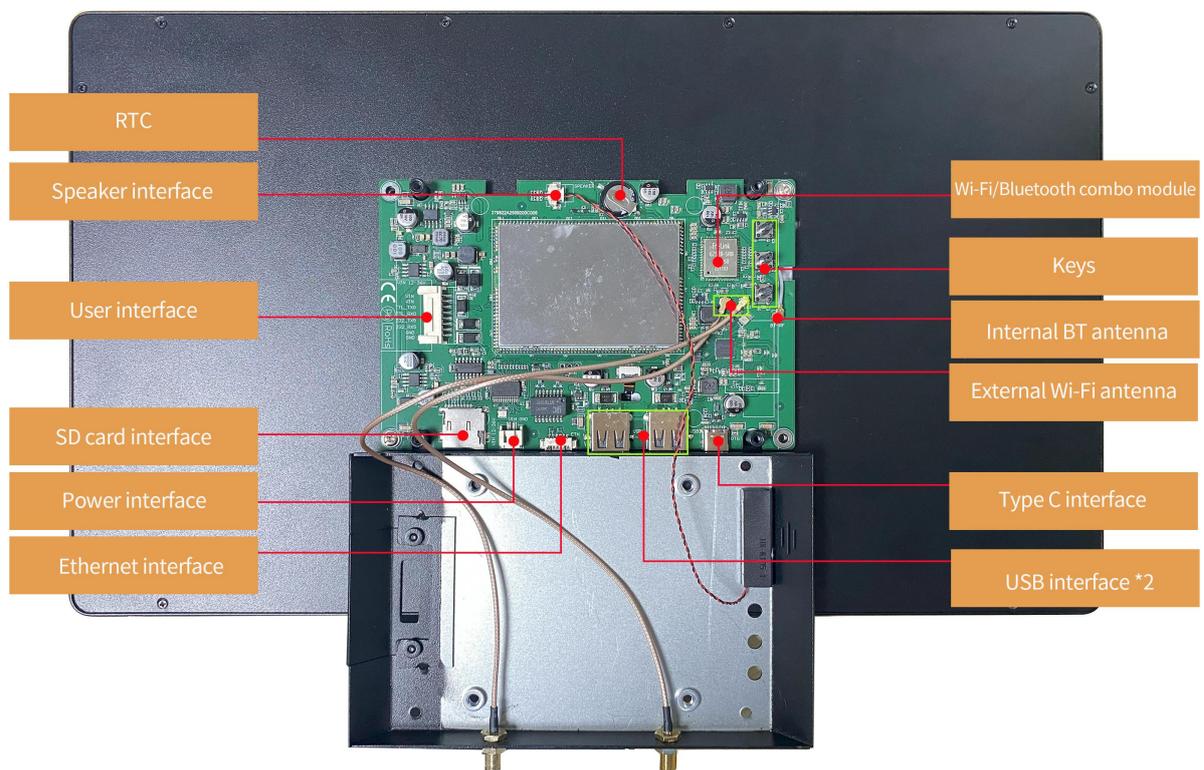
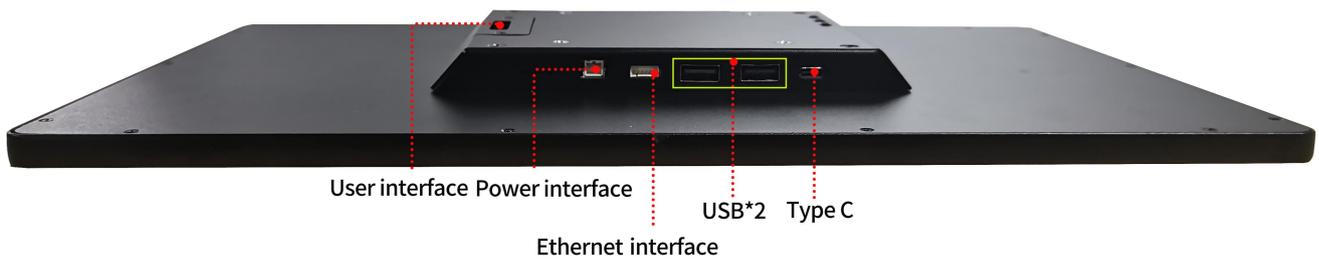
● Environment & Reliability Test

Properties	Conditions	Min	Typ	Max	Unit
Working Temperature	60%RH at 12V voltage	0	25	50	℃
Storage Temperature	-	0	25	50	℃
Working Humidity	25℃	10%	60%	90%	RH
Conformal Coating	Y				
Enclosure	Aluminum enclosure				
ESD	Air: ±8KV				

Additional cooling required for operation above 50°C.

● Peripheral and Interfaces

Properties	Description
User Interface	8Pin_2.0mm socket
Power Interface	2Pin_2.0mm interface*1
COM	RS232*1 (COM5), TTL*1 (COM0)
Ethernet Interface	6Pin_1.25mm interface*1, 10/100Mbps
USB	USB *2 (HOST), Type C*1 (OTG)
SD Card	Max 64G
Wi-Fi	IEEE 802.11a/b/g/n/ac/ax, 2.4GHz + 5GHz, Wi-Fi 6 and backward compatibility
Bluetooth Version	BT5.2
RTC	Accuracy: $\pm 20\text{ppm @}25^\circ\text{C}$
Speaker	2Pin_1.25mm interface*1
Keys	Recovery, Power, Mute



- **Development Platform**

Development	
Android	Java, Kotlin, C++

- **Packing Capacity & Dimension**

Dimension				
Dimension	366.33(W)×216.37(H)×23.00(T)mm			
Net Weight	1720g			
Packing Capacity				
Model	Size	Layer	Quantity/Layer	Quantity (Pcs)
Carton:	430mm(L)×335mm(W)×290mm	5	1	5

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● **Standard Accessories**

Accessories Name	Description
POE+DC cable	POE & DC separate power supply, 35cm Length, 5mm diameter, white color



POE+DC cable diagram

● **Optional Accessories**

Accessories Name	Description
External Wi-Fi Antenna	Black, antenna (Qty:2)



Antenna configuration diagram

● Revision Records

Rev.	Revise Date	Content	Editor
00	2025-09-30	Preliminary version	Chen Xian
01	2025-12-24	Initial release	Chen Xian

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