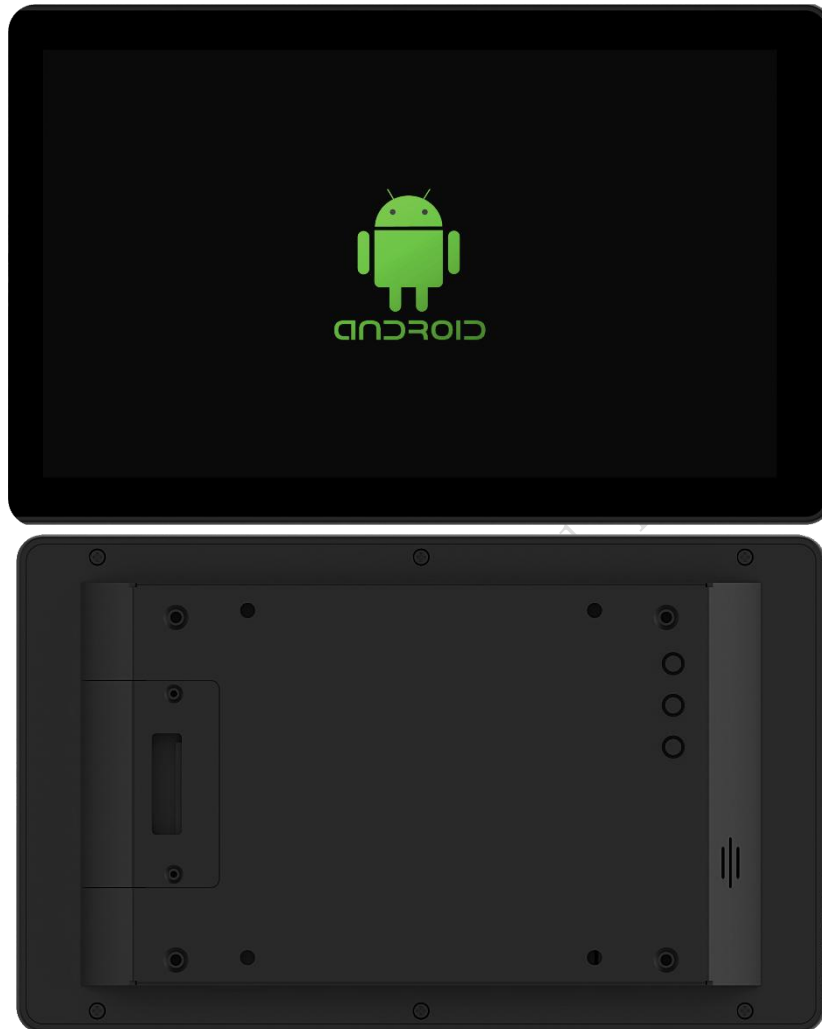


DMG10600C070_A1WTC



● 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	7.0 inch	-
Viewing Area (VA)	151.37mm(W)×88.28mm (H)	-
Resolution	1024×600	-
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	9.0	12.0	36.0	V

Recommended power supply:12V 1A DC.

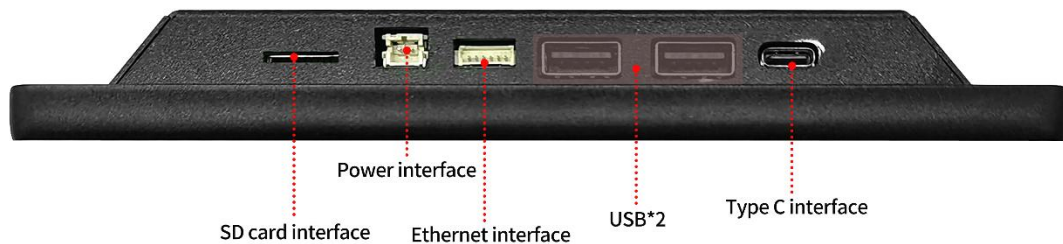
● Environment & Reliability Test

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

Additional cooling required for operation above 60℃.

● 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 802.11b/g/n, 2.4GHz, Wi-Fi 4
Bluetooth Version	BT4.2
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	175.03(W)×107.98(H)×23.00(T)mm			
Net Weight	516g			
Packing Capacity				
Model	Size	Layer	Quantity/Layer	Quantity (Pcs)
Carton1:	220mm(L)×160mm(W)×47mm	-	-	-
Carton2:	250mm(L)×200mm(W)×80mm	2	1	2
Carton3:	320mm(L)×270mm(W)×80mm	-	-	-
Carton4:	450mm(L)×350mm(W)×300mm	-	-	-
Carton5:	600mm(L)×450mm(W)×300mm	1	30	30

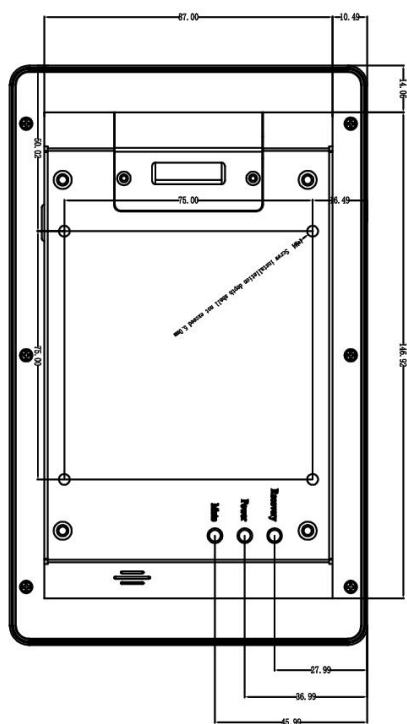
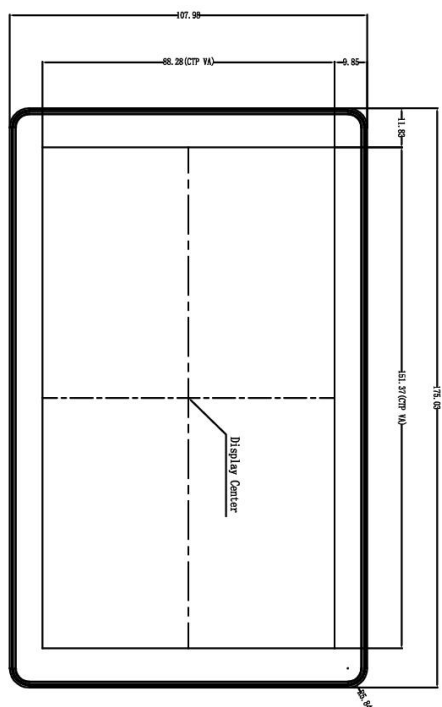
Standard Accessories

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



POE+DC cable diagram

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Definition	Pin#	I/O	Description
VIN	1	P	Power input
VIN	2	P	Power input
TX0	3	0	UART 0 DOUT
RX0	4	I	UART 0 DIN
TX5	5	0	UART 5 DOUT
RX5	6	I	UART 5 DIN
GND	7	P	GND
GND	8	P	GND

Location hole is used as position reference.

Unmarked Tolerance is $\pm 0.3\text{mm}$

Active area is marked in Dash lines

Model	DMG10600C070_A1WTC					DWIN Technology			
Drawing	A 4	Drawn	G. Y	Date	2025.12.16				
Scale	1:1	Review		Date					
Unit	MM	Approval		Date					

● Revision Records

Rev.	Revise Date	Content	Editor
00	2025-12-19	Initial release	Chen Xian

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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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