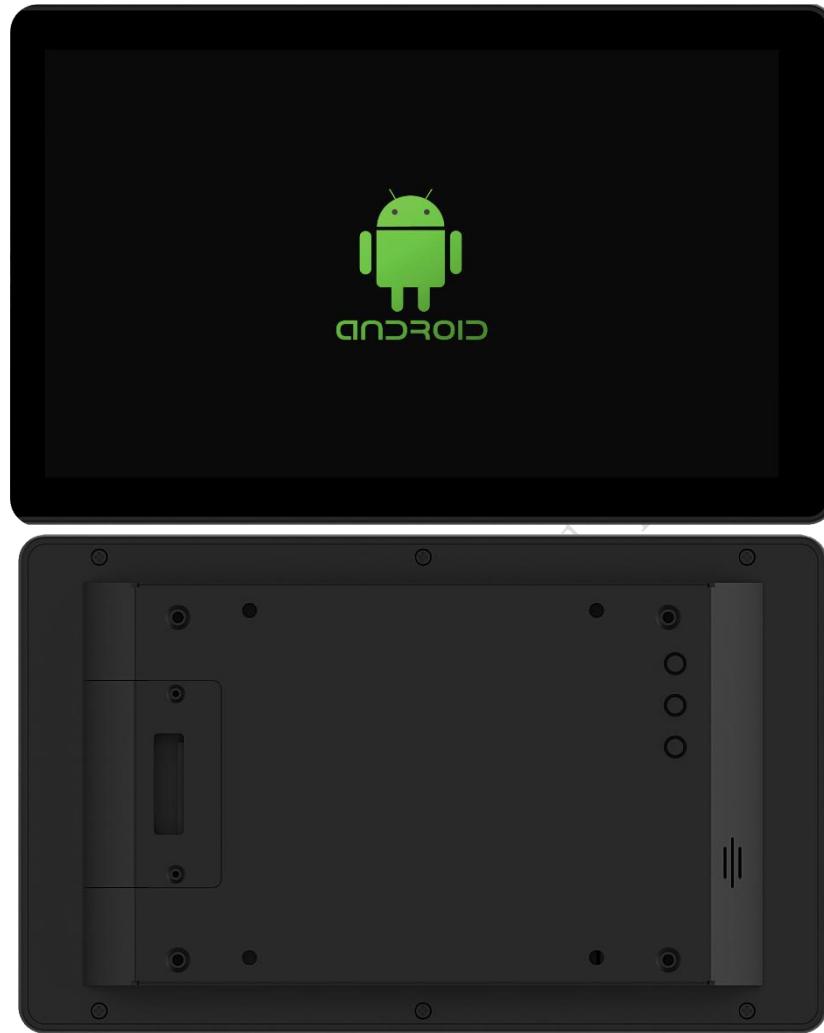


# DMG10600C070\_A1WTC



## ● System Hardware

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

## ● Display Parameters

Properties	Parameters	Description
<b>Size</b>	7.0 inch	-
<b>Viewing Area (VA)</b>	151.37mm(W)×88.28mm (H)	-
<b>Resolution</b>	1024×600	-
<b>Backlight Service Life</b>	>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
<b>Brightness</b>	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
<b>Touch Type</b>	Capacitive touch panel.
<b>TP Structure</b>	G+G structure with tempered glass surface, the bonding of the TFT LCD to the touch panel with OCA process.

## ● Power Supply

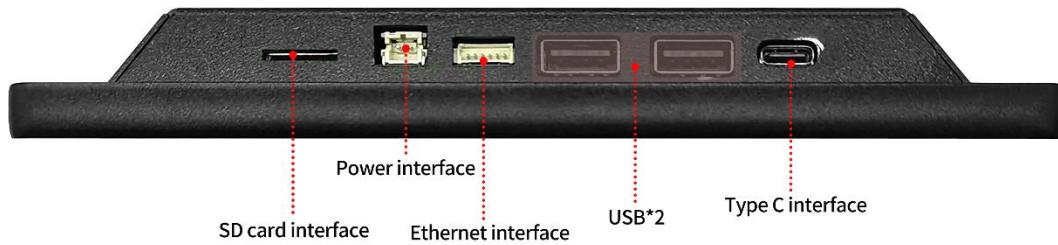
Properties	Min	Typ	Max	Unit
<b>Power Voltage</b>	9.0	12.0	36.0	V
Recommended power supply: 12V 1A DC.				

## ● Environment & Reliability Test

Properties	Conditions	Min	Typ	Max	Unit
<b>Working Temperature</b>	60%RH at 12V voltage	-10	25	60	°C
<b>Storage Temperature</b>	-	-10	25	60	°C
<b>Working Humidity</b>	25°C	10%	60%	90%	RH
<b>Conformal Coating</b>		Y			
<b>Enclosure</b>		Aluminum enclosure			
<b>ESD</b>		Air: ±8KV			
<b>RE</b>		Class B			
Additional cooling required for operation above 60°C.					

## ● Peripheral and Interfaces

Properties	Description
<b>User Interface</b>	8Pin_2.0mm socket
<b>Power Interface</b>	2Pin_2.0mm interface*1
<b>COM</b>	RS232*1 (COM5), TTL*1 (COM0)
<b>Ethernet Interface</b>	6Pin_1.25mm interface*1, 10/100Mbps
<b>USB</b>	USB *2 (HOST), Type C*1 (OTG)
<b>SD Card</b>	Max 64G
<b>Wi-Fi</b>	IEEE 802.11b/g/n, 2.4GHz, Wi-Fi 4
<b>Bluetooth Version</b>	BT4.2
<b>RTC</b>	Accuracy: ±20ppm @25°C
<b>Speaker</b>	2Pin_1.25mm interface*1
<b>Keys</b>	Recovery, Power, Mute



## ● Development Platform

Development	
Android	Java, Kotlin, C++

## ● Packing Capacity & Dimension

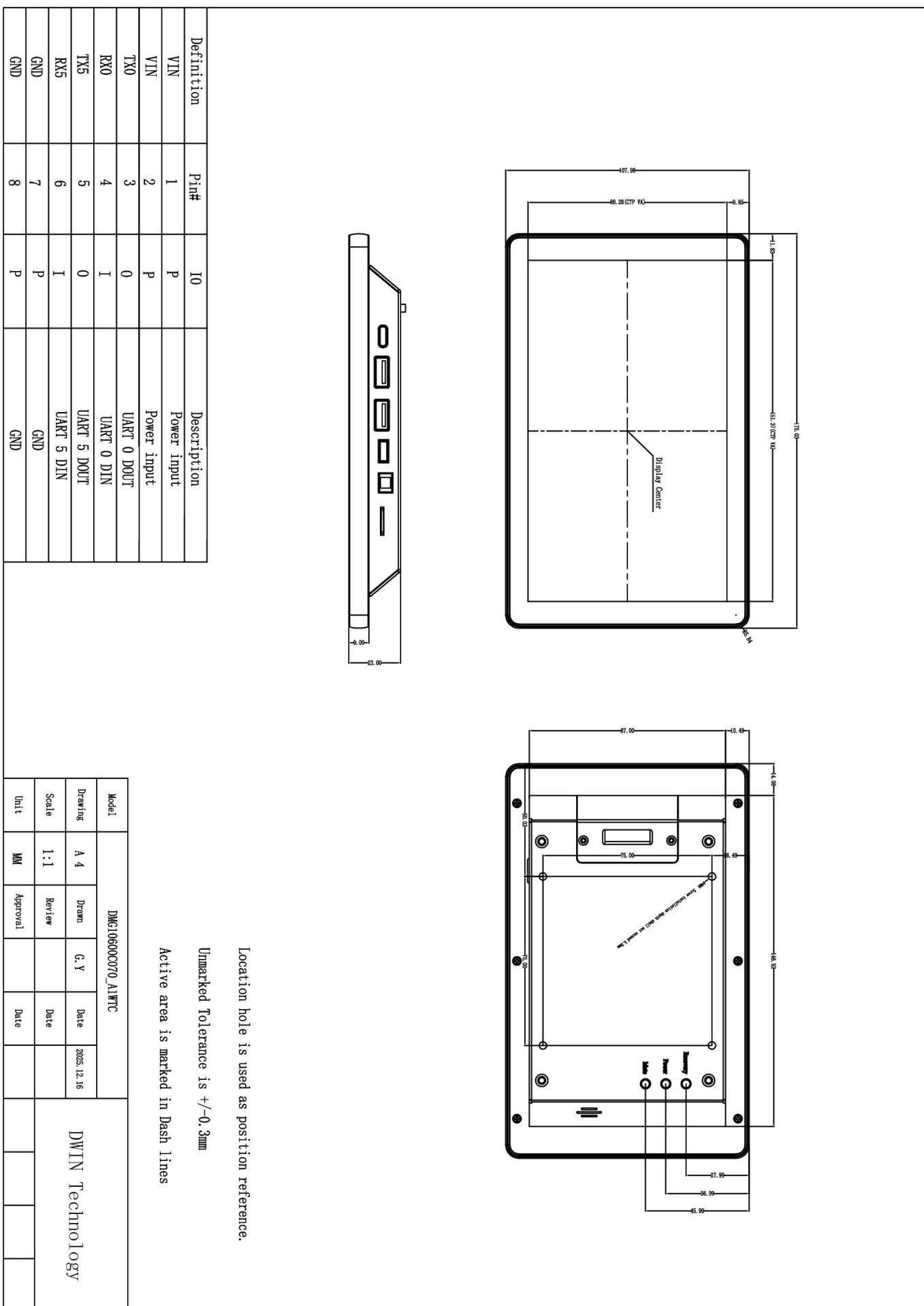
Dimension				
Dimension	175.03(W)×107.98(H)×23.00(T)mm			
Net Weight	516g			
Packing Capacity				
Model	Size	Layer	Quantity/Layer	Quantity (Pcs)
Carton1:	220mm(L)×160mm(W)×47mm	-	-	-
Carton2:	250mm(L)×200mm(W)×80mm	2	1	2
Carton3:	320mm(L)×270mm(W)×80mm	-	-	-
Carton4:	450mm(L)×350mm(W)×300mm	-	-	-
Carton5:	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



**● Revision Records**

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

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Customer service Tel: +86-400-018-9008

Customer service E-mail: [dwinhmi@dwin.com.cn](mailto:dwinhmi@dwin.com.cn)

Website: [www.dwin-global.com](http://www.dwin-global.com)

DWIN Developer Forum: <https://forums.dwin-global.com/index.php/forums>

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