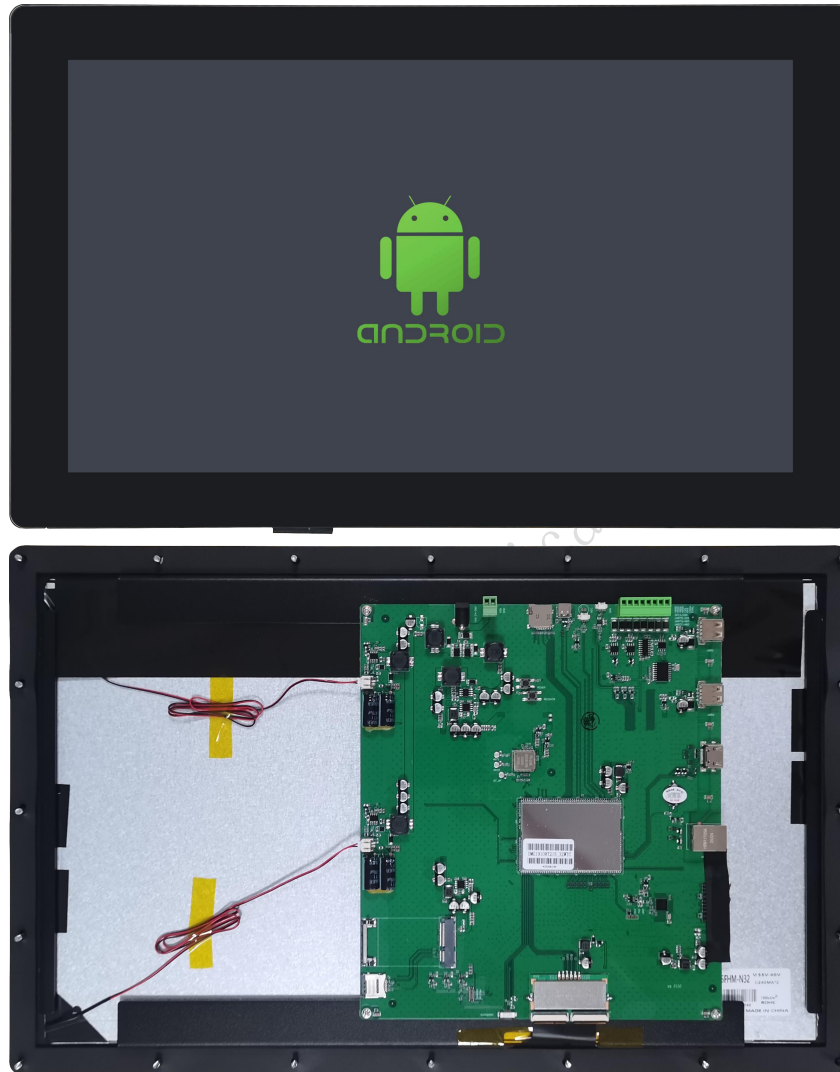


DMG19108T215_32WTC



● System Hardware

Properties	Parameters
Motherboard Level	Industrial-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	21.5 inch	-
Viewing Area (VA)	477.24mm (W)×268.71mm (H)	-
Resolution	1920×1080	-
Backlight Service Life	>50000 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	900nit	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	G+G structure with 4mm tempered glass surface, Anti-glare, front IP65 waterproof
IK Code	IK08

● Power Supply

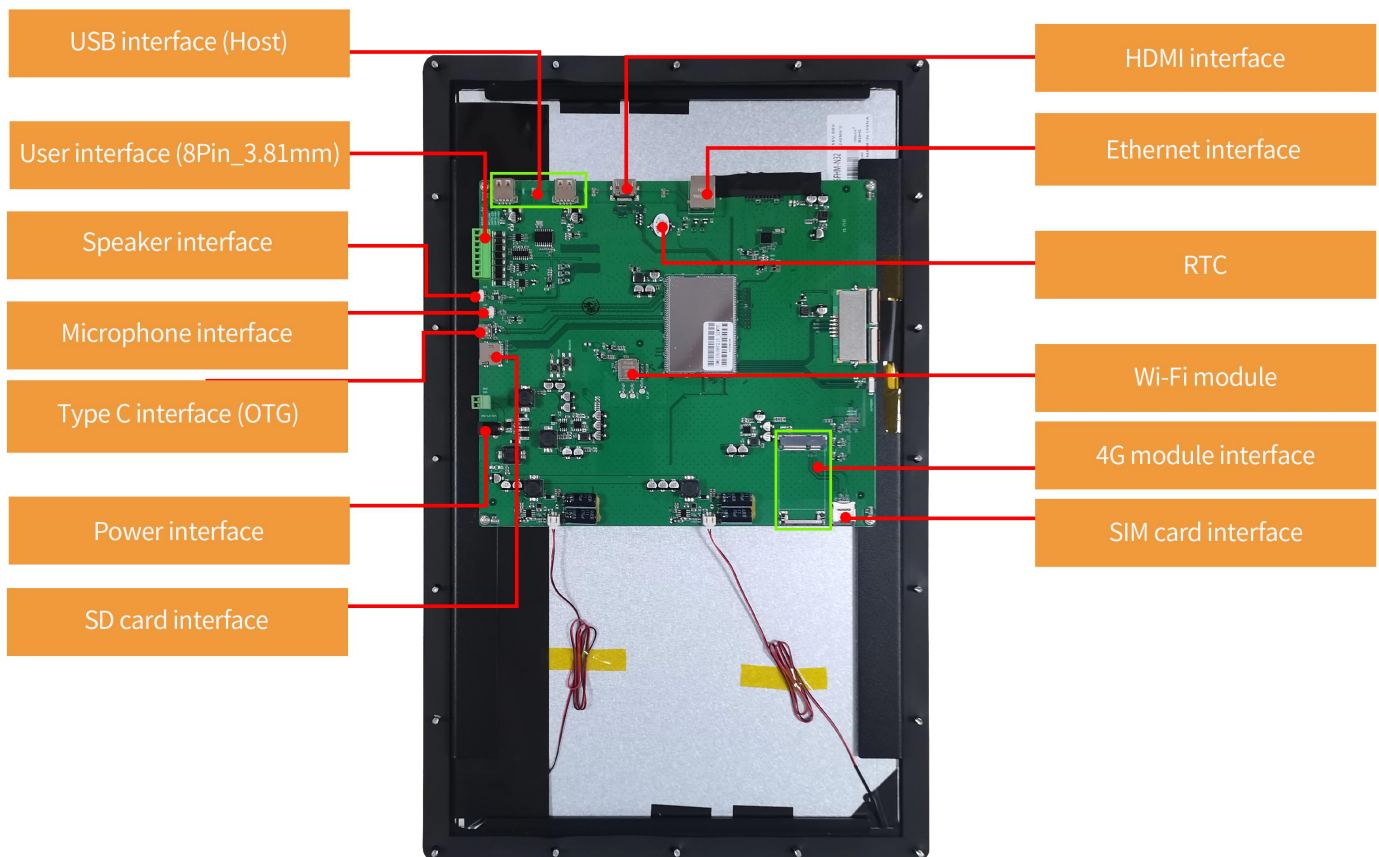
Properties	Min	Typ	Max	Unit
Power Voltage	24.0	24.0	36.0	V
Recommended power supply: 12V 2A DC.				

● Environment & Reliability Test

Properties	Conditions	Min	Typ	Max	Unit
Working Temperature	60%RH at 24V voltage	-20	25	70	℃
Storage Temperature	-	-30	25	80	℃
Working Humidity	25℃	10%	60%	90%	RH
Conformal Coating	Y				
ESD	Air: ±8KV, Contact: ±6KV				
EFT	Group pulse interference ±2KV				
RE	Class B				

Peripheral and Interfaces

Properties	Description
User Interface	8Pin_3.81mm socket, power interface (3PIN_Φ2.0DH)
COM	RS232*1 (COM5), RS485*2 (COM7 & COM8), SPI3/CAN
Ethernet	10/100Mbps
USB	USB 2.0*2 (HOST), Type C*1 (OTG)
SD Card	Max 64G
Speaker	2Pin_1.25mm interface*1
Microphone	2Pin_1.25mm interface*1
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°C
HDMI	23PIN_HDMI_SH
4G module Interface	Factory not configured, customizable to add



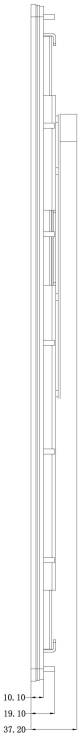
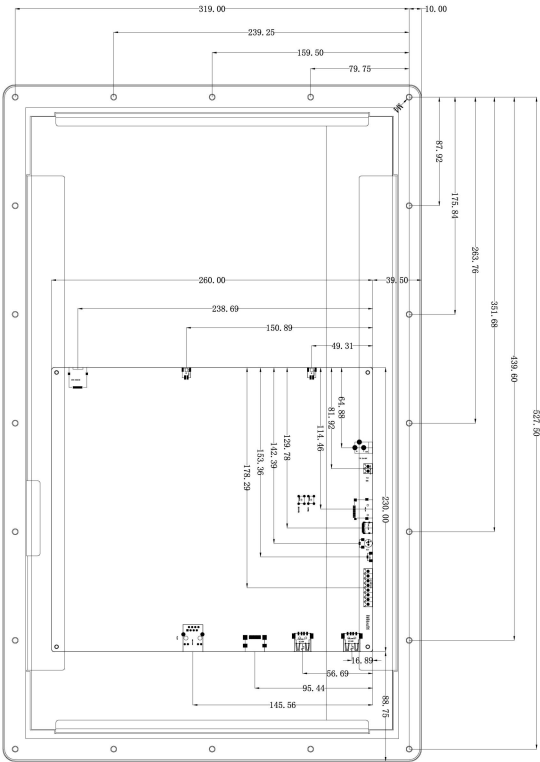
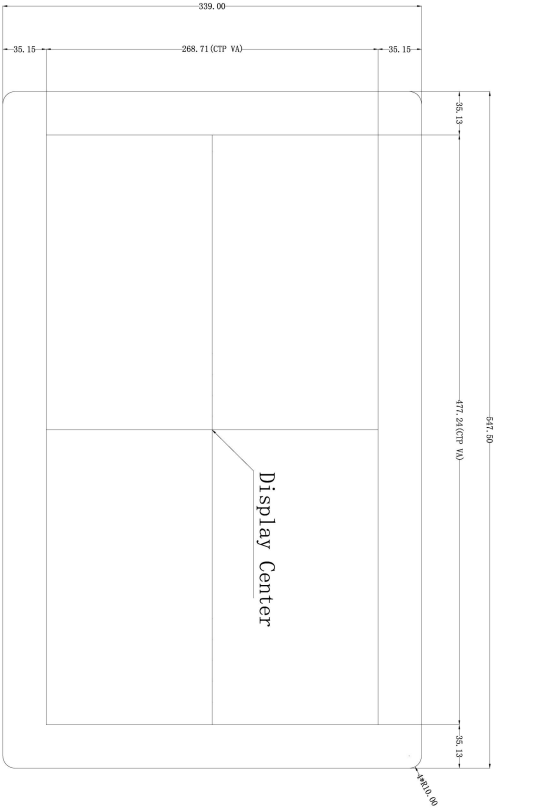
● Development Platform

Development	
Android	Java, Kotlin, C++

● Packing Capacity & Dimension

Dimension				
Dimension	547.5(W)×339.0(H)×37.2(T)mm			
Net Weight	5620g			
Packing Capacity				
Model	Size	Layer	Quantity/Layer	Quantity (Pcs)
Standard Carton 1:	640mm(L)×425mm(W)×30mm(H)	1	1	1
Standard Carton 2:	655mm(L)×440mm(W)×350mm(H)	4	1	4

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Definition	Pin#	I/O	Description
485B	1	B-	485-
485A	2	A+	485+
485B	3	B-	485-
485A	4	A+	485+
TX5	5	0	UART 5 DOUT
RX5	6	I	UART 5 DIN
CANH	7	H	CANH
CANL	8	L	CANL

Location hole is used as position reference.

Unmarked Tolerance is +/-0.3mm

Active area is marked in Dash lines

Model				DMG19108T215_32WTC			
Drawing	A 4	Drawn	G. Y	Date	2025.07.25	DWTN Technologies	
Scale	1:1	Review		Date			
Unit	MM	Approval		Date			

● Revision Records

Rev.	Revise Date	Content	Editor
00	2025-07-28	Initial release	Chen Xian
01	2025-08-28	Update the color of bracket	Chen Xian

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