

HDW215_004L

21.5-Inch, 1920xRGBx1080, IPS screen

Capacitive touch panel, HDMI interface display



● Display Parameters

LCD Type	IPS, TFT LCD.
Viewing Angle	Wide viewing angle (85°/85°/85°/85° typical), high contrast, and good color reproduction.
Resolution	1920×1080 Pixel
Active Area (AA)	477.24mm (W)×268.71mm (H)
Viewing Area (VA)	477.24mm (W)×268.71mm (H)
Backlight Service Life	>50000H
Brightness	800nit
Note: Use dynamic screen saver to prevent afterimages from prolonged fixed page display.	

● Touch Parameters

Type	Capacitive touch panel
Structure	G+G structure, 4mm tempered glass cover plate, Anti-Glare effect
IK(cover)	IK08

● Electrical Specifications

Power Voltage	18~36V, typical value 24V.
Current Parameters	1540mA@24V
Recommended power supply: 24V 2A DC.	

● Operating Environment & Reliability Test

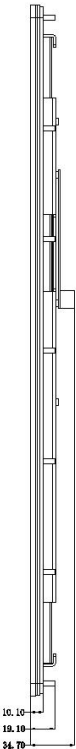
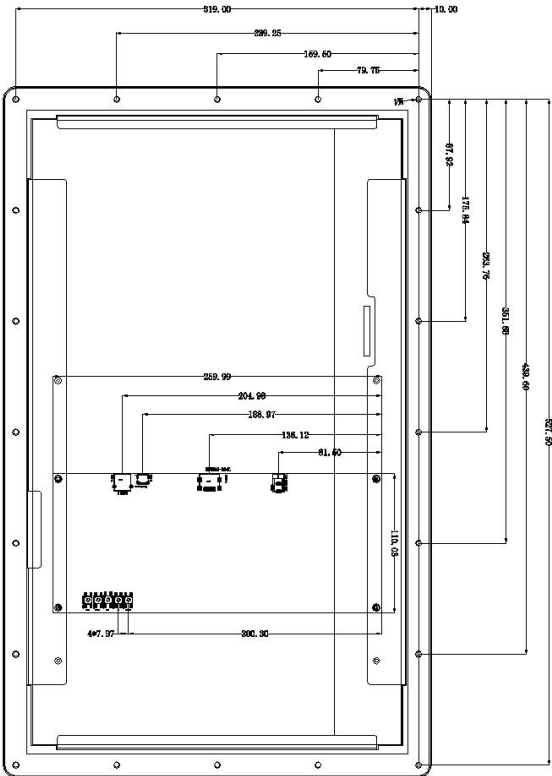
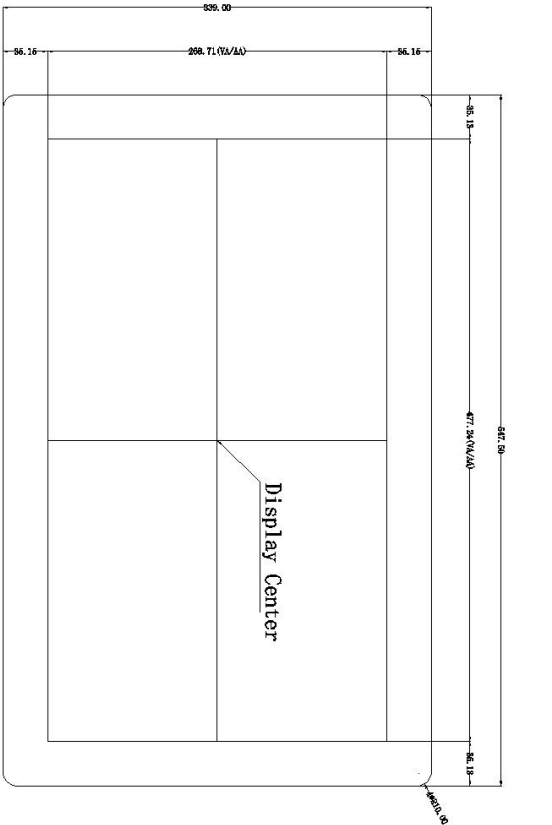
Item	Conditions	Min	Typ	Max	Unit
Operation Temperature	60%RH at 5V voltage	-20	25	70	°C
Storage Temperature	-	-30	25	80	°C
Operation Humidity	25°C	10%	60%	90%	RH
ESD	Contact: ±6KV; Air: ±8KV				
EFT	±2KV; Class B				
CS	0.15-80M 10Vrms Class A				
RE	CLASS A				
CE	CLASS A				
Anti-UV	Y				
Anti-Glare	Y				
Protective Level	IP65(Front)				

● Hardware Interface

Power Interface	3PIN_Φ2.0DH
Display Interface	HDMI-A(23PIN_HDMI_SH)
Touch Interface	USB-A/Type-C optional
Speaker Interface	2Pin_2.0mm

● Packing & Dimension

Dimension	547.5(W)×339.0(H)×34.7(T)mm
Net Weight	5500g



HWMT Name	HWMT Description	HWMT Name	HWMT Description
Pin1	TMS Data2+	Pin11	TMS Clock Shield
Pin2	TMS Data2 Shield	Pin12	TMS Clock-
Pin3	TMS Data2-	Pin13	CEC
Pin4	TMS Data1+	Pin14	HDC Data- (Optional, HWMT 1.4 with Ethernet)
Pin5	TMS Data1 Shield	Pin15	S2 (I2C Serial Clock for IMC)
Pin6	TMS Data1-	Pin16	S0A (I2C Serial Data Line for IMC)
Pin7	TMS Data0+	Pin17	IOV/CLK/DE Ground
Pin8	TMS Data0 Shield	Pin18	+5V Power (max 500mA)
Pin9	TMS Data0-	Pin19	Hot Plug Detect (All versions) and HDC Detect (Optional, HWMT 1.4 with Ethernet)
Pin10	TMS Clock+		

Installation instructions:
The structure should have reserved positions for screw columns, embedded from the front, and tightened with M4 nuts from the back.

Location hole is used as position reference.

Unmarked Tolerance is +/-0.3mm

Active area is marked in Dash lines

Model				HDW215_004L			
Drawing	A 4	Dream	G. Y	Date	2025.07.22	DWIN Technology	
Scale	1 : 1	Review		Date			
Unit	MM	Approval		Date			

● Revision Records

Rev	Revise Date	Content	Editor
00	2025-07-28	First Release	Chen Xian
01	2025-10-14	Update CAD	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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