

DMT10600T070_35WTR



● System Hardware

Properties	Parameters
Motherboard Level	Industrial-grade
CPU	A40i, Quad-core ARM CortexTM-A7 1.2GHz Processor
OS	Linux 3.10
Storage	8Gbytes eMMC
RAM	1Gbytes DDR3

● Display Parameters

Properties	Parameters	Description
Size	7 inch	-
LCD Type	IPS, TFT LCD	-
Viewing Angle	85°/85°/85°/85°	Wide viewing angle, high contrast, and good color reproduction
Active Area (AA)	154.20mm(W)x85.88mm(H)	-
Viewing Area (VA)	155.00mm(W)x87.50mm(H)	-
Resolution	1024x600	Available for 0°/90°/180°/270°rotated display
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	Resistive touch panel

● Power Supply

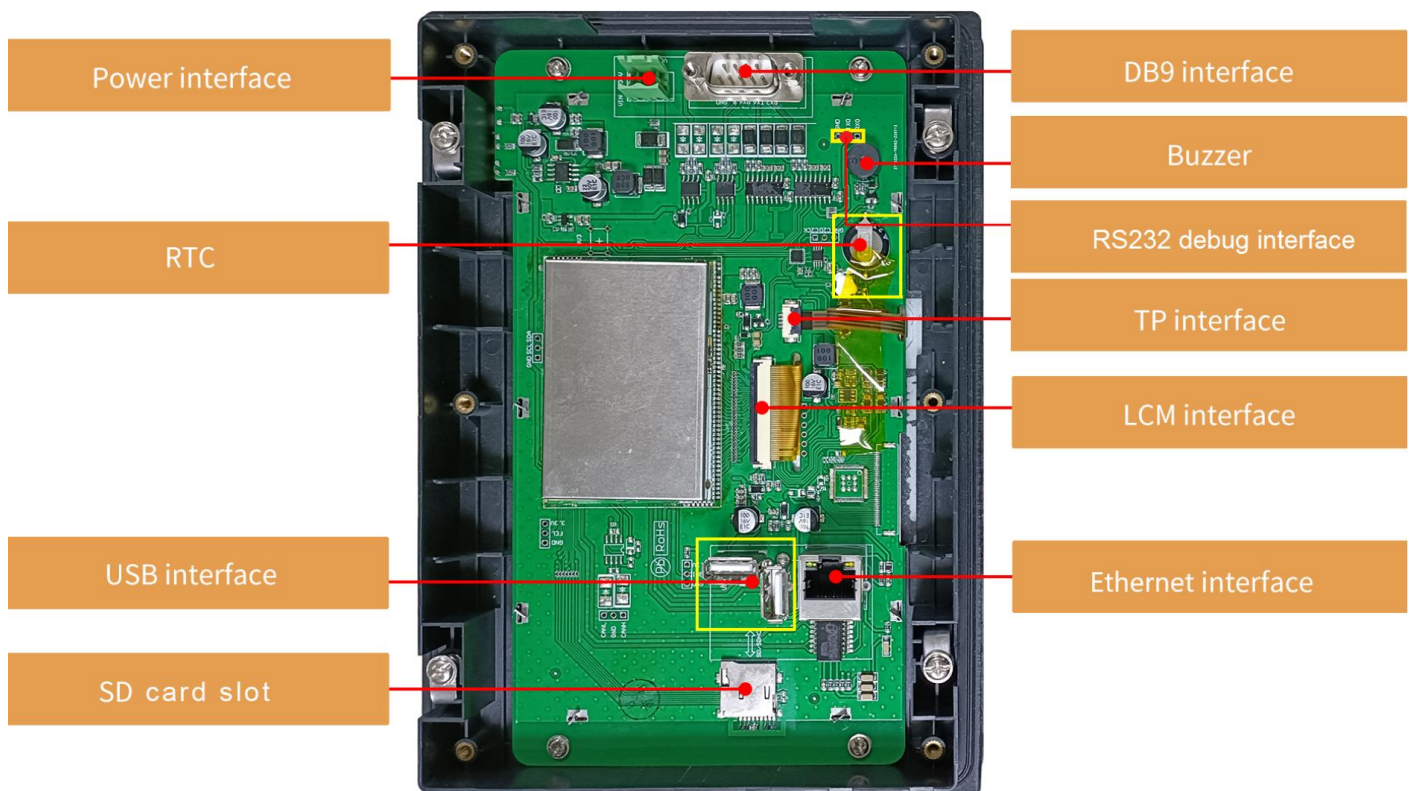
Properties	Min	Typ	Max	Unit
Power Voltage	9.0	12.0	36.0	V

● Reliability Test

Properties	Conditions	Min	Typ.	Max	Unit
Working Temperature	60%RH at 12V voltage	-20	25	70	℃
Storage Temperature	-	-30	25	80	℃
Working Humidity	25℃	10%	60%	90%	RH
Conformal Coating	Yes				
ESD	Air discharge ±8KV				
EFT	Group pulse interference ±2KV				

● Peripheral and Interfaces

Properties	Description
User Interface	2Pin_5.08mm Socket, DB9 interface
COM	RS232*2 (COM2 & COM6), RS422*1 (COM3)
USB	USB*2 (HOST)
SD card	Max. 64G
Ethernet	10/100Mbps
RTC	Accuracy: $\pm 20\text{ppm}$ @25°C
Buzzer	3V passive buzzer

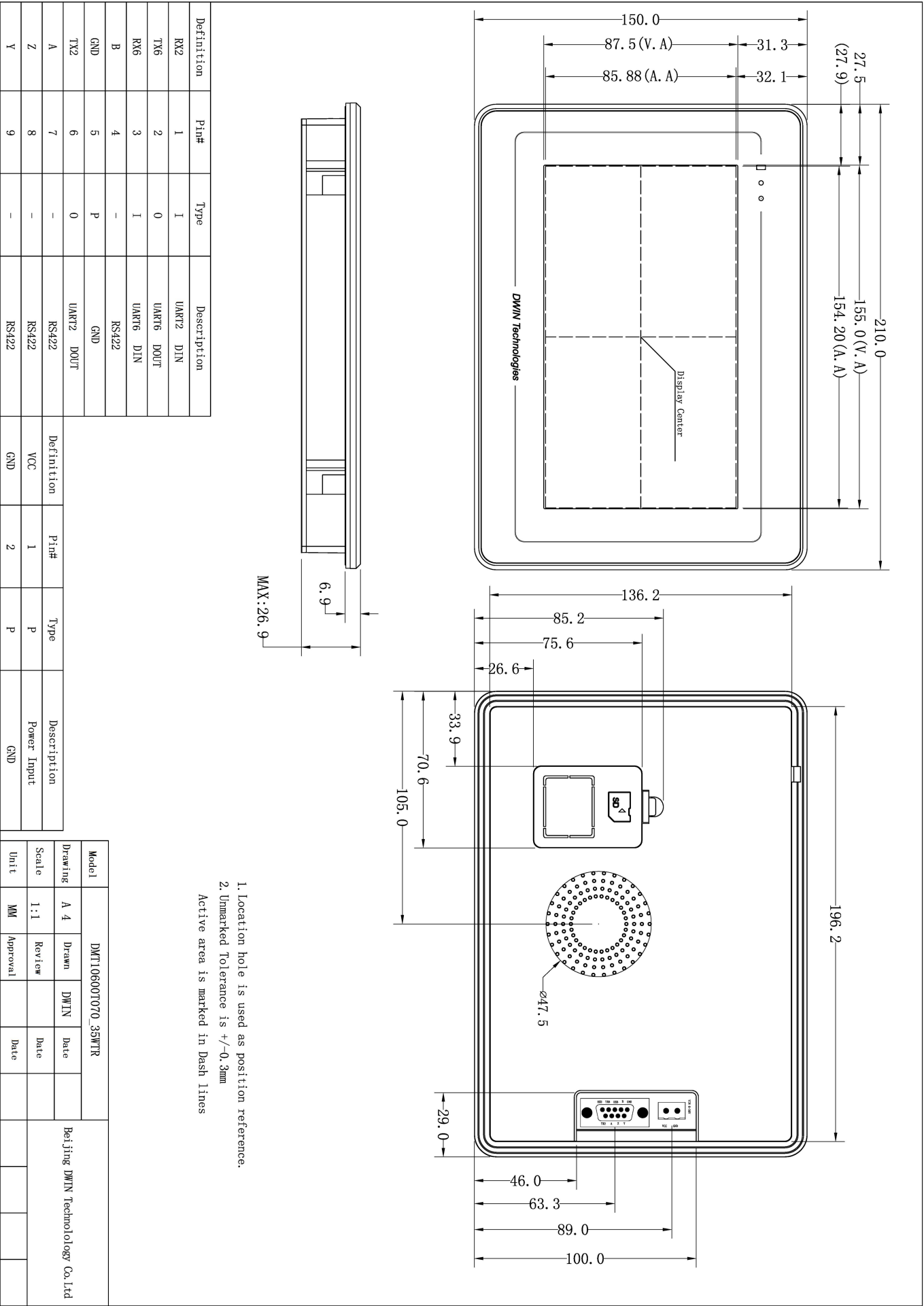


● Development Platform

Development	
QT	QtCreator2.7.2 and above

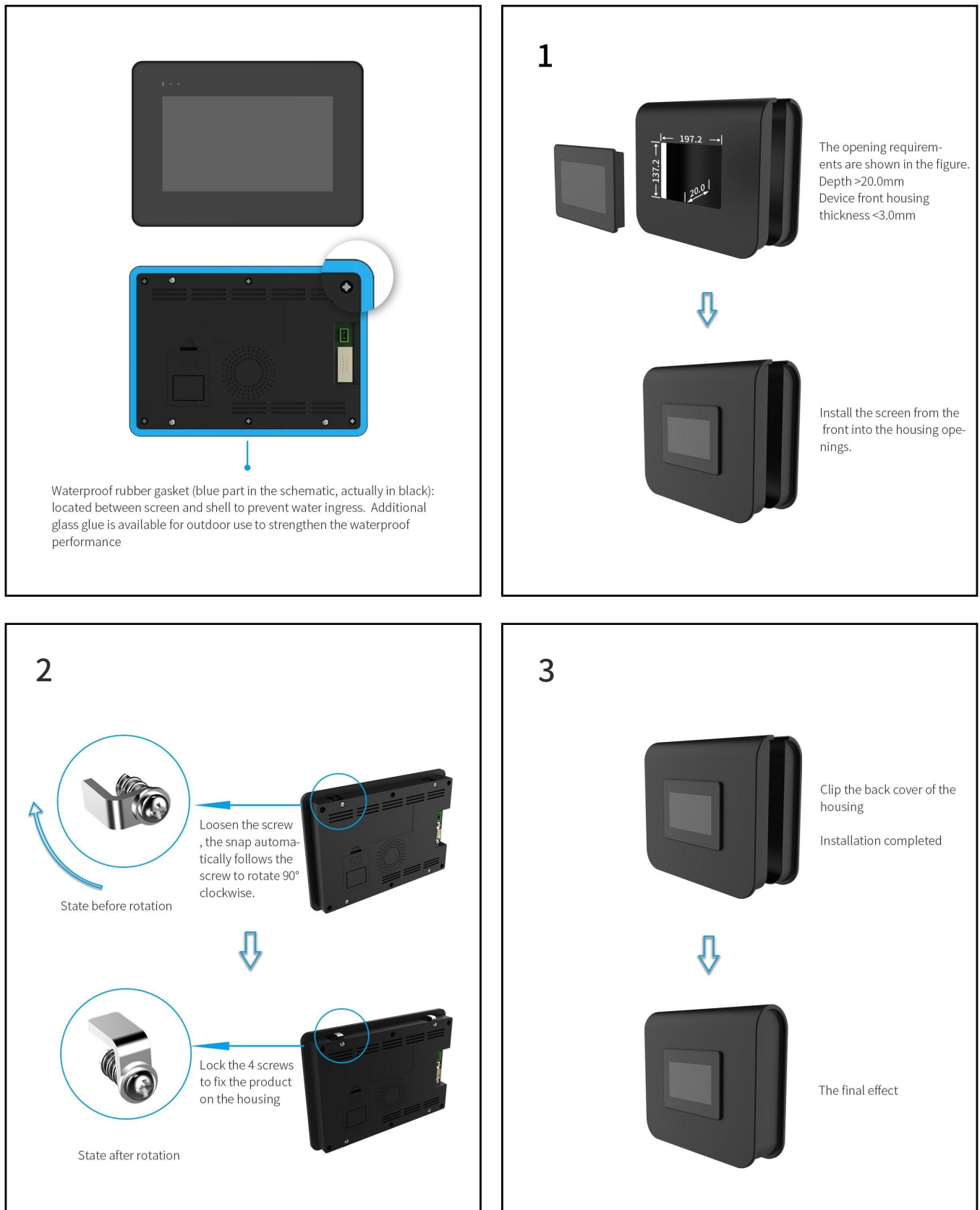
● Packing Capacity & Dimension

Dimension				
Dimension	210.00(W)x150.00(H)x26.90(T)mm			
Net Weight	570g			
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



1. Location hole is used as position reference.
2. Unmarked Tolerance is +/-0.3mm
Active area is marked in Dash lines

Installation Schematic



● Revision records

Rev	Revise Date	Content	Editor
00	2022-10-24	First Edition	Lvzhi Chen
01	2022-12-12	Package, Interface Picture and Format Update	YML
02	2025-06-10	Modify voltage range	Chen

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