

# DMT10600T070\_35WTC



## Features:

- Industrial Linux intelligent display terminal based on Allwinner A40i, running Linux3.10 operating system.
- 7.0-inch, 1024\*600 pixels resolution, 16.7M colors, IPS-TFT-LCD, wide viewing angle, capacitive touch, with shell.
- Adopt QT environment for secondary development.
- Available for multi-language, vector font library, picture library, video library and audio library.
- Connect to a PC with a network cable to download and update projects.
- Available for RS232, RS422 and Ethernet port to connect and communicate with external devices.

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## Master Control Parameters

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Properties	Parameters		
Motherboard Level	Industrial		
CPU	Allwinner A40i Quad-core ARM CortexTM-A7 Processor		
OS	Linux3.10		
FLASH	8Gbytes EMMC		
RAM	1Gbytes DDR3		

## • Display Parameters

Properties	Parameters	Description		
Color	16.7M (16777216) colors	24-bit color 8R8G8B		
Panel Type	IPS	IPS LCD with wide view angle		
Viewing Angle	85/85/85/85 (L/R/U/D)	Best view angle: symmetrical		
Active Area (A.A.)	154.20mm(W)*85.88mm(H)			
View Area (V.A.)	155.0mm(W)*87.5mm(H)	-		
Resolution	1024*600	Available for 0°/90°/180°/270°rotated display		
Backlight	LED	≥30000H (time of the brightness decaying to 50% of the condition of continuous working with the maximum brightness)		
Brightness	250nit	100 levels adjustment (It's not recommended to set brightness to 1%~30% of the maximum, which may lead to LCD flicker.)		

Note: You can use dynamic screen saver wallpapers to avoid afterimages caused by fixed page display for a long time.

## • Voltage & Current

Properties	Conditions	Min	Тур.	Мах	Unit
Power Voltage	- 12	9.0	12.0	23	V
Operation Current	VCC = +12V, 100% brightness	-	280	-	mA
	VCC = +12V, Backlight off	-	110	-	mA
		-			

Recommended power supply: 12V 0.5A DC

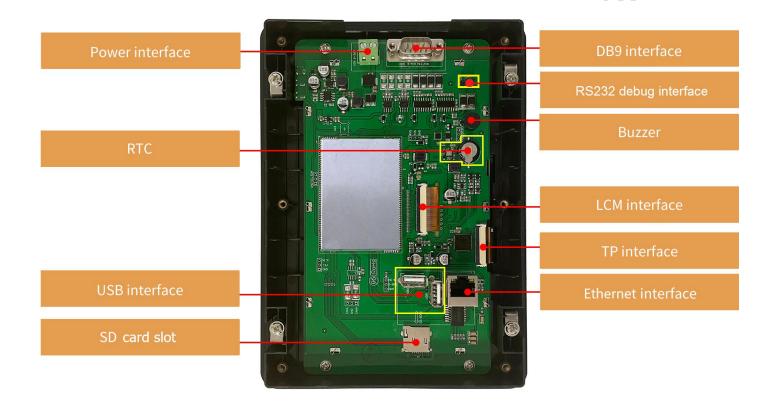
## Reliability Test

Properties	Properties Conditions		Тур.	Мах	Unit
Working Temperature	60%RH at 12V voltage	-20	25	70	°C
Storage Temperature	-	-30	25	80	°C
Working Humidity	<b>25</b> ℃	10%	60%	90%	RH
Conformal Coating	Yes				
ESD	Air discharge±8KV				
EFT	Group pulse interference $\pm 2$ KV				

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#### • Peripheral and Interfaces

Properties	Parameters	Description		
	2-way RS232	UART2 & UART6		
СОМ	1-way RS422	UART3		
USB Interface	2-way	HOST*2		
SD Card Slot 1-way		Drawer type card slot(Max 64G)		
Ethernet Interface 1-way		10/100Mbps		
RTC	Built-in Super-capacitor RTC, Accuracy:			
Buzzer	3V passive buzzer			



Disclaimer:

There are multiple parallel raw materials coexisting to guarantee the stable supply. If customers have particular raw material preferences or requirements, please contact the sales personnel.

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## • Interface Parameters

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Properties	Conditions	Min	Тур.	Мах	Unit
Baud Rate	User-defined	3150	115200	3225600	bps
Output Voltage (TXD)	Output 1	-	-5.0	-3.0	V
	Output 0	3.0	5.0	-	V
Input Voltage (RXD)	Input 1	-15.0	-5.0	-	V
	Input 0	-	5.0	15.0	V
Interface	RS232*2 RS422*1				
Socket	2Pin-5.08mm socket, DB9 interface				

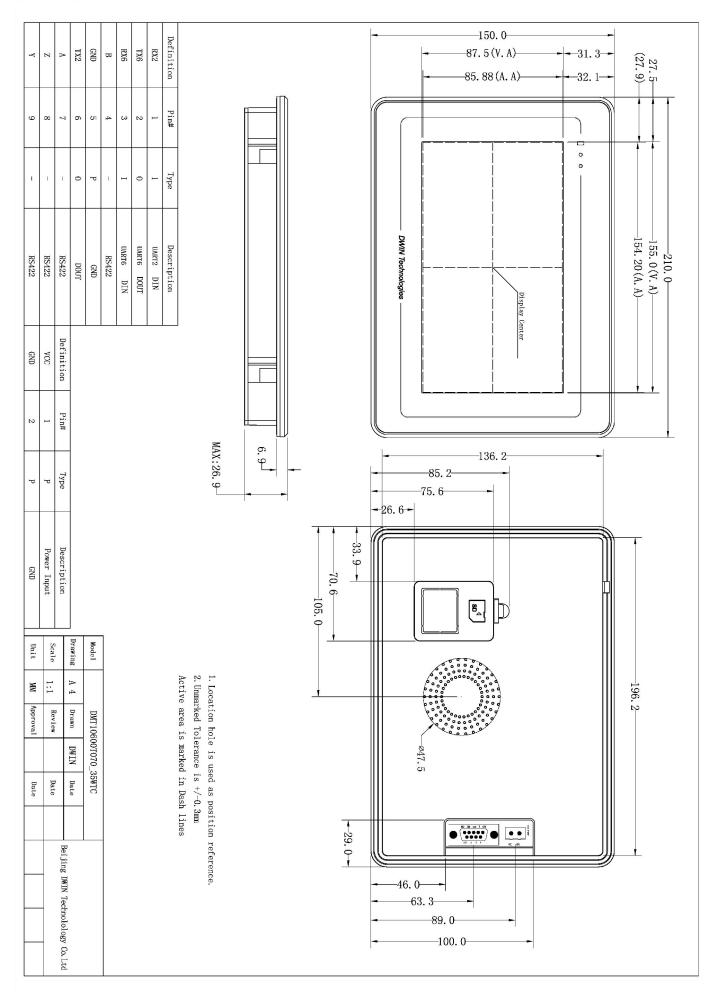
## • Packing Capacity & Dimension

Dimension						
Dimension	210.0(W)*150.0(H)*26.9(T)mm					
Net Weight	570g		C.V.			
Packing Capacity						
Model	Size	Layer	Quantity/Layer	Quantity (Pcs)		
Carton1:	220mm(L)*160mm(W)*47mm(H)	- 2	-	-		
Carton2:	250mm(L)*200mm(W)*80mm(H)	2	1	2		
Carton3:	320mm(L)*270mm(W)*80mm(H)		-	-		
O autour Ar	450 (1)+050 (14)+000 (11)	4	16	16		
Carton4:	450mm(L)*350mm(W)*300mm(H)		10	10		

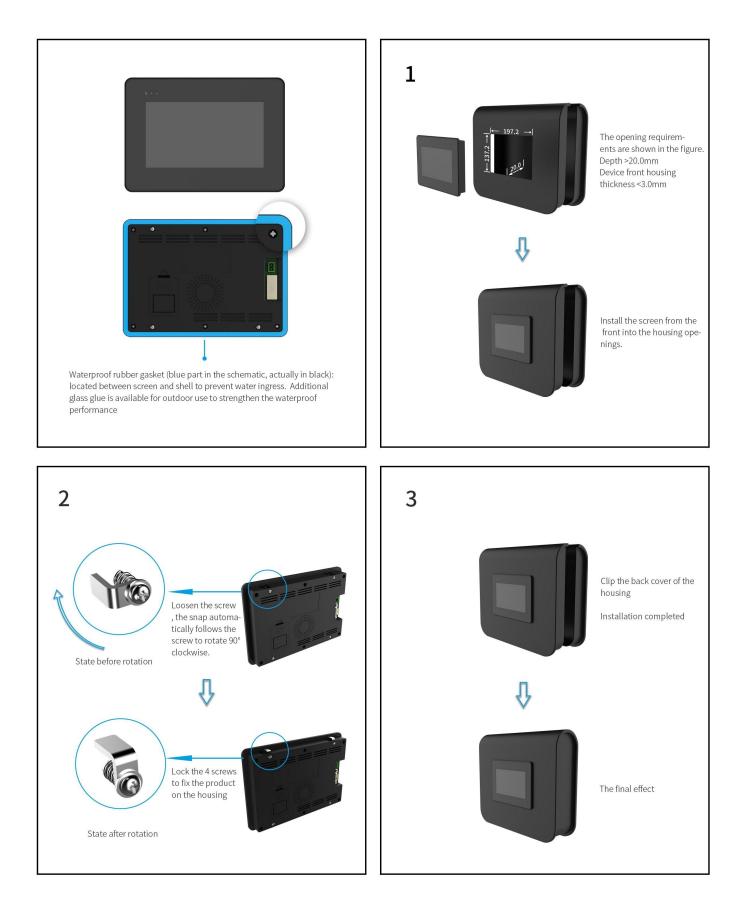
Disclaimer: The product design is subject to alternation and improvement without prior notice.

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## Installation Schematic



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**Revision records** 

Rev	Revise Date	Content	Editor
00	2022-10-25	First Edition	Lvzhi Chen
01	2022-12-12	Package, Interface Picture and Format Update	YML

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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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