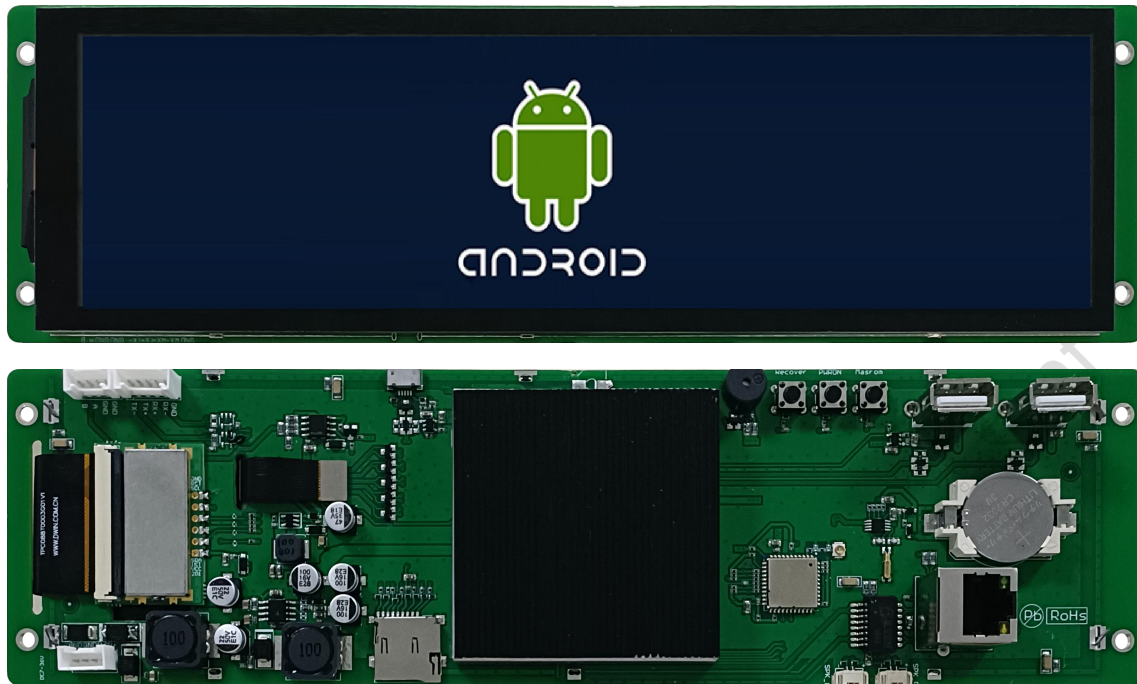


# DMG19480T088\_33WTC



## Features:

- Industrial Android intelligent display terminal based on RK3288, running Android 8.1 OS.
- 8.88-inch, 1920\*480 pixels resolution, 16.7M colors, IPS-TFT-LCD, CTP.
- Compatible with WIFI, Bluetooth, microphone, camera and other rich peripherals.
- Available for USB and SD card updates.
- Available for LVDS and RS485 port to connect and communicate with external devices.
- Available for downloading Android general apps to realize functions such as WiFi, wired internet , browsing, music and video playback, data copy, etc.

### ● Master control Parameters

Properties	Parameters
Motherboard level	Industrial
CPU	RK3288, ARM Cortex-A17, quad-core
OS	Android 8.1
FLASH	8Gbytes EMMC5.0
RAM	2Gbytes DDR3

### ● Display Parameters

Properties	Parameters	Description
Color	16.7M(16777216)colors	24 bit color 8R8G8B
Panel Type	IPS	IPS process, TFT LCM with wide view angle
Viewing Angle	85/85/85/85 (L/R/U/D)	Best view angle: symmetrical
Active Area (A.A.)	218.88mm (W)*54.72mm (H)	1920*480 Pixel
Resolution	1920*480 Pixel	Available for 0°/90°/180°/270°rotated display
Backlight	LED	≥30000H(time of the brightness decaying to 50% on the condition of continuous working with the maximum brightness)
Brightness	200nit	100 levels adjustment(It's not recommend 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

Item	Descriptions	
Power Voltage	7~36V, Typical: 12V	
Current parameters	410mA	VCC=7V (Minimum starting voltage)
	250mA	VCC=12V (Standard supply voltage)
	120mA	VCC=36V (Maximum supply voltage)

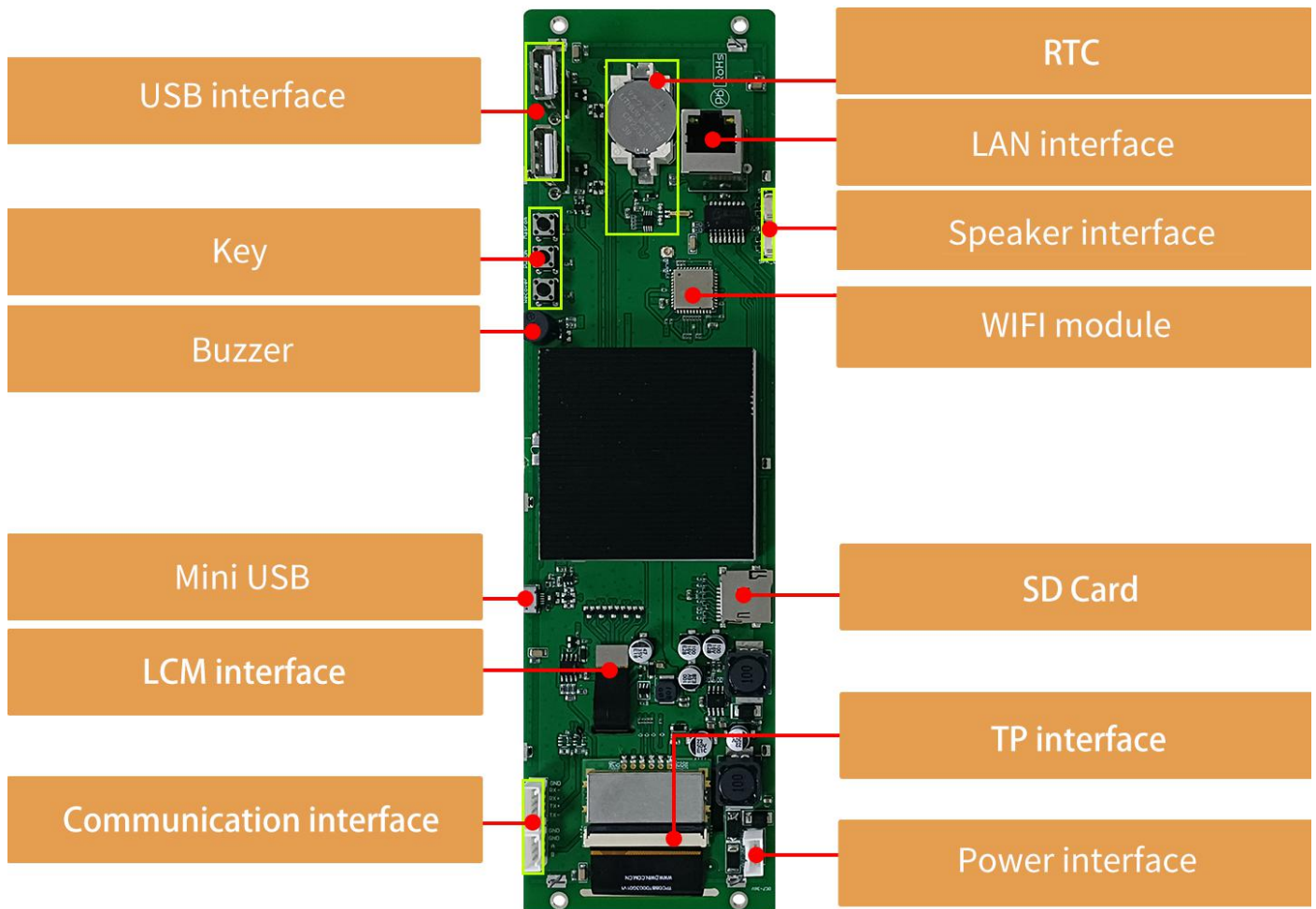
Recommended power supply: 12V 1A DC

### ● 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; Contact discharge ±6KV				
EFT	Group pulse interference ±2KV				

## ● Peripherals and interfaces

Properties	Parameters	Description
COM	1-way LVDS interface	UART 3
	1-way RS485	UART2
USB interface	3-ways	HOST*2,OTG*1
Speaker	2-ways	Left & right
Buzzer	1-way	5V active buzzer
SD card slot	1-way	Drawer type card slot(Max 64G)
LAN interface	1-way	10/100Mbps
WIFI interface	1-way	Configurable antenna
RTC	Built-in	Button cell for power supply, Accuracy: $\pm 20\text{ppm}$ @25°C
Key	3-ways	Masrom,Recover,PWRON



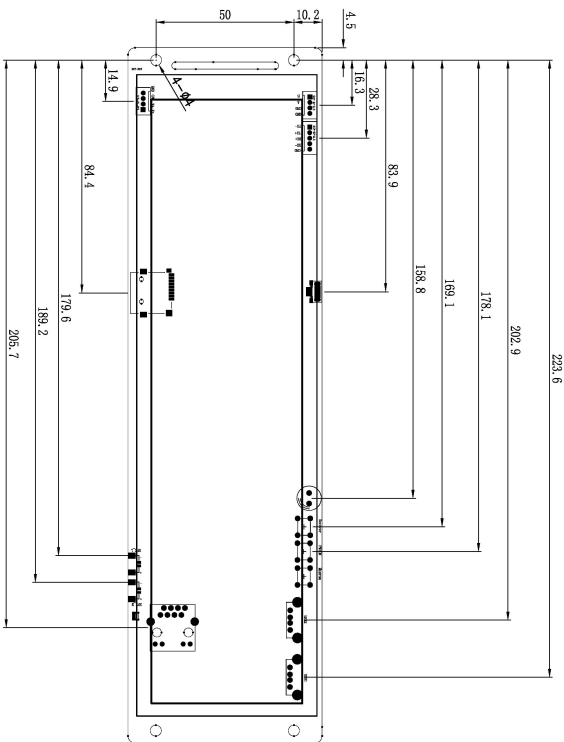
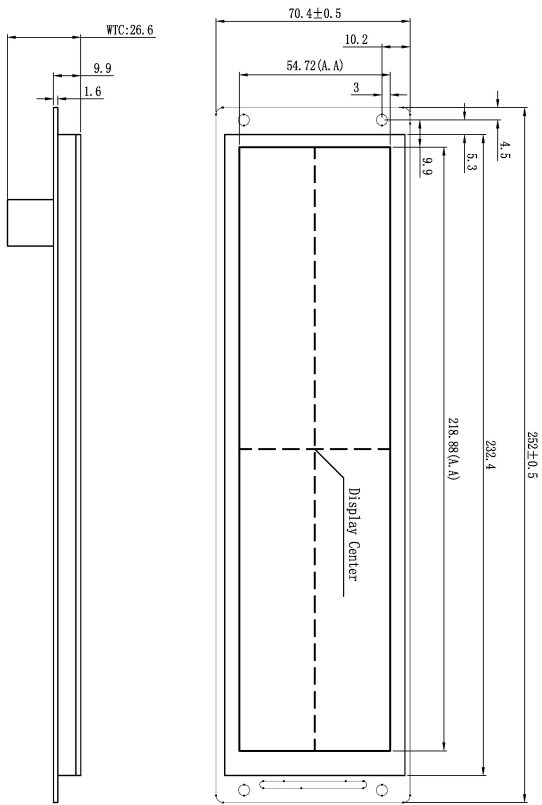
**● Interface**

Properties	Conditions	Min	Typ	Max	Unit
Baud Rate	User Set	2400	115200	921600	bps
(V_AB)	Output 1	2.5	5.0	-	V
	Output 0	-	-5.0	-2.5	V
(V_AB)	Input 1	0	2.5	-	V
	Input 0	-	-2.5	-0.2	V
Interface	Support LVDS communication and RS485 level				
Socket	4Pin_2.0mm Socket*2, 5Pin_2.0mm Socket				

**● Packing Capacity & Dimension**

Dimension					
Dimension	252.0mm (W)*70.4mm (H)*26.6mm (T)				
Net Weight	330g				
Packing Capacity					
Model	Size	Layer	Quantity/Layer	Quantity(Pcs)	
Carton1:	220mm(L)*160mm(W)*47mm (H)	-	-	-	
Carton2:	250mm(L)*200mm(W)*80mm (H)	-	-	-	
Carton3:	320mm(L)*270mm(W)*80mm (H)	2	2	4	
Carton4:	450mm(L)*350mm(W)*300mm(H)	1	20	20	
Carton5:	600mm(L)*450mm(W)*300mm(H)	1	32	32	

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



Definition	Pin#	Type	Description
G	1, 2	P	GND
A	3	A+	485+
B	4	B-	485-
Definition	Pin#	Type	Description
V	1, 2	P	Power Input
G	3	0	GND

Location hole is used as position reference.

Unmarked Tolerance is +/-0.3mm

Active area is marked in Dash lines

Model	DMG19480T088-33WTCZ01		
Drawing	A 4	Drawn	J. G
Scale	1:1	Review	
Unit	MM	Approval	
		Date	22/09/21
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**Revision records**

<b>Rev</b>	<b>Revise Date</b>	<b>Content</b>	<b>Editor</b>
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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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