



# DEBIX TD050A



DEBIX Industrial Computer

## DEBIX TD050A TFT LCD Monitor

### Overview:

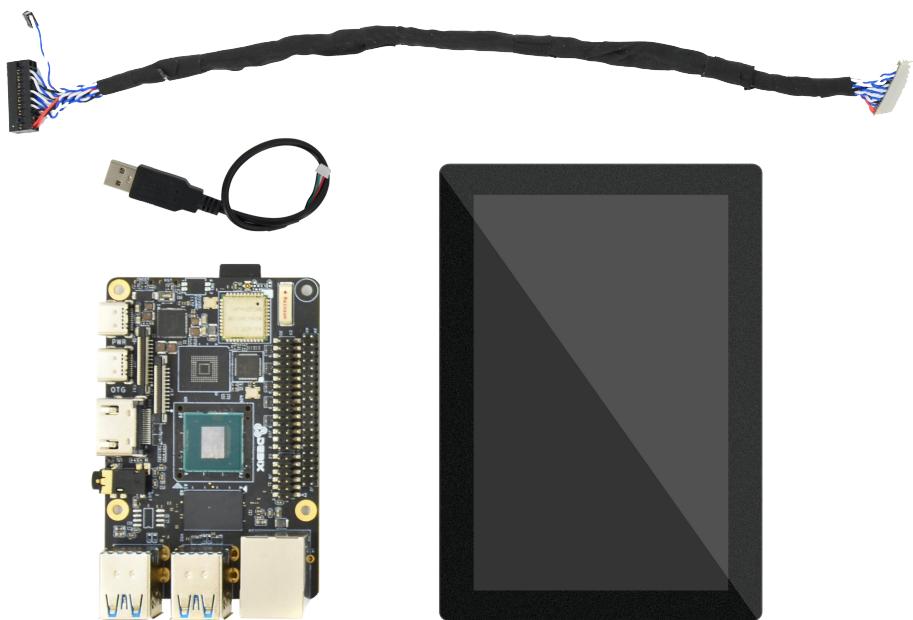
DEBIX TD050A LCD monitor comes with a 800 x 480 display which has the size of 5.0". With LVDS display interface and USB touch interface, it is composed of a color TFT-LCD panel, driver IC, FPC and a backlight unit. The driver element is a-Si TFT active matrix.

### Main Features:

- 5.0" 800\*480 display size
- IPS with Normally Black display mode
- LVDS Interface
- RGB-stripe colour arrangement

### Compatibility:

- Compatible with all DEBIX series



### Certificates:

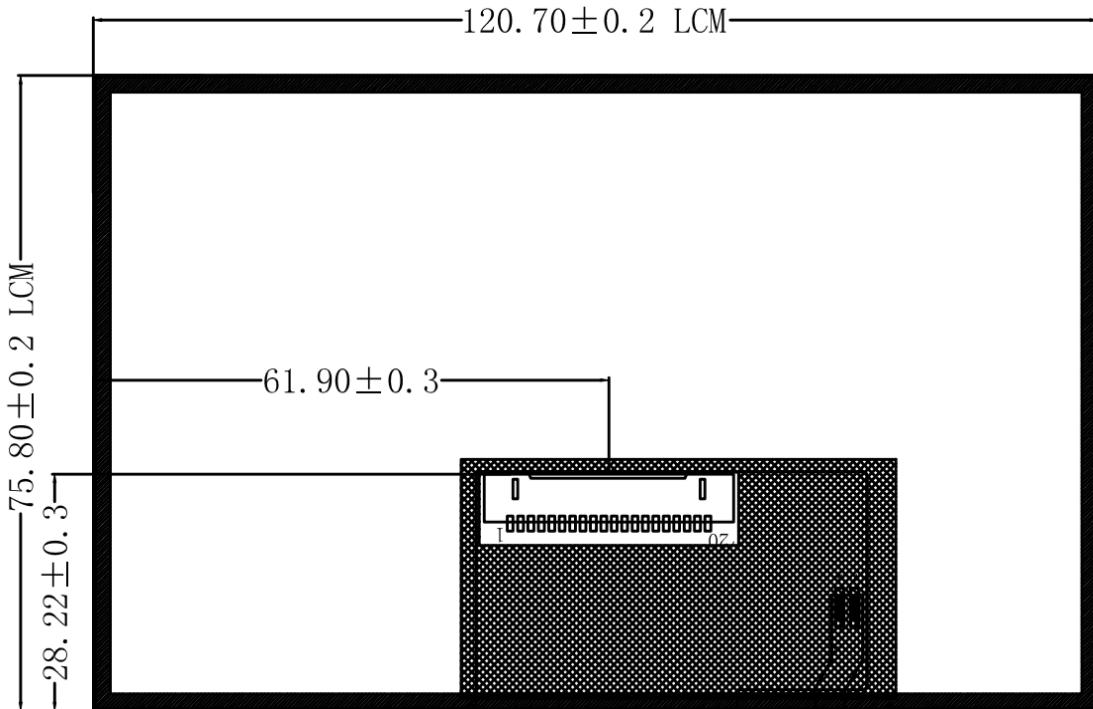


## Specification:

### DEBIX TD050A

LCD Size	5 inch (Diagonal)
Driver Element	a-Si TFT active matrix
Resolution	800 x 480
Display Mode	IPS with Normally Black
Active Area	108.00mm x 64.80mm
Outline Dimension	120.80mm x 75.95mm x 2.80mm
Colour Arrangement	RGB-stripe
LVDS Interface	1 x LVDS with 20Pin header connector
Touch Interface	1 x USB with 4Pin header connector
Luminance	300 cd/m <sup>2</sup> (Typ.)
Operating Temp.	-20°C to 70°C
Storage Temp.	-30°C to 80°C
Input Voltage	DC 5V
Net Weight	96g ( $\pm 0.5$ g)
Gross Weight	228g ( $\pm 0.5$ g)

## Mechanical Dimension:



Back View

## LVDS Interface Pinout:

Pin No.	Symbol	I/O	Function	Remark
1	VDD	P	Power supply VDDIN=5.0V	
2	VDD	P	Power supply VDDIN=5.0V	
3	LED_EN	I	Power supply VDDIN(3.3~3.0V)	
4	GND	P	Ground	
5	RXIN0N	I	0-LVDS differential data	
6	RXIN0P	I	0+LVDS differential data	
7	GND	P	Ground	
8	RXIN1N	I	1-LVDS differential data	
9	RXIN1P	I	1+LVDS differential data	
10	GND	P	Ground	
11	RXIN2N	I	2-LVDS differential data	
12	RXIN2P	I	2+LVDS differential data	
13	GND	P	Ground	
14	RX_CLKN	I	-LVDS differential clock input	
15	RX_CLKP	I	+LVDS differential clock input	
16	GND	P	Ground	
17	RXIN3N	I	3-LVDS differential clock input	
18	RXIN3P	I	3+LVDS differential clock input	
19	PWM	I	Backlight brightness:apply 0.7V to 3.3V DC voltage signal	
20	VLED	P	Power supply VLED=5~12V(Typ.)	

Note: I/O definition:

I: input, O: output, P: Power, -:No Connection

## Contact Us:

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