



7" inch 1024x600 TFT LCD Display with capacitive touch panel

Product 8/10

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- Model: HY070CTP-HD
- Shipping Weight: 300g
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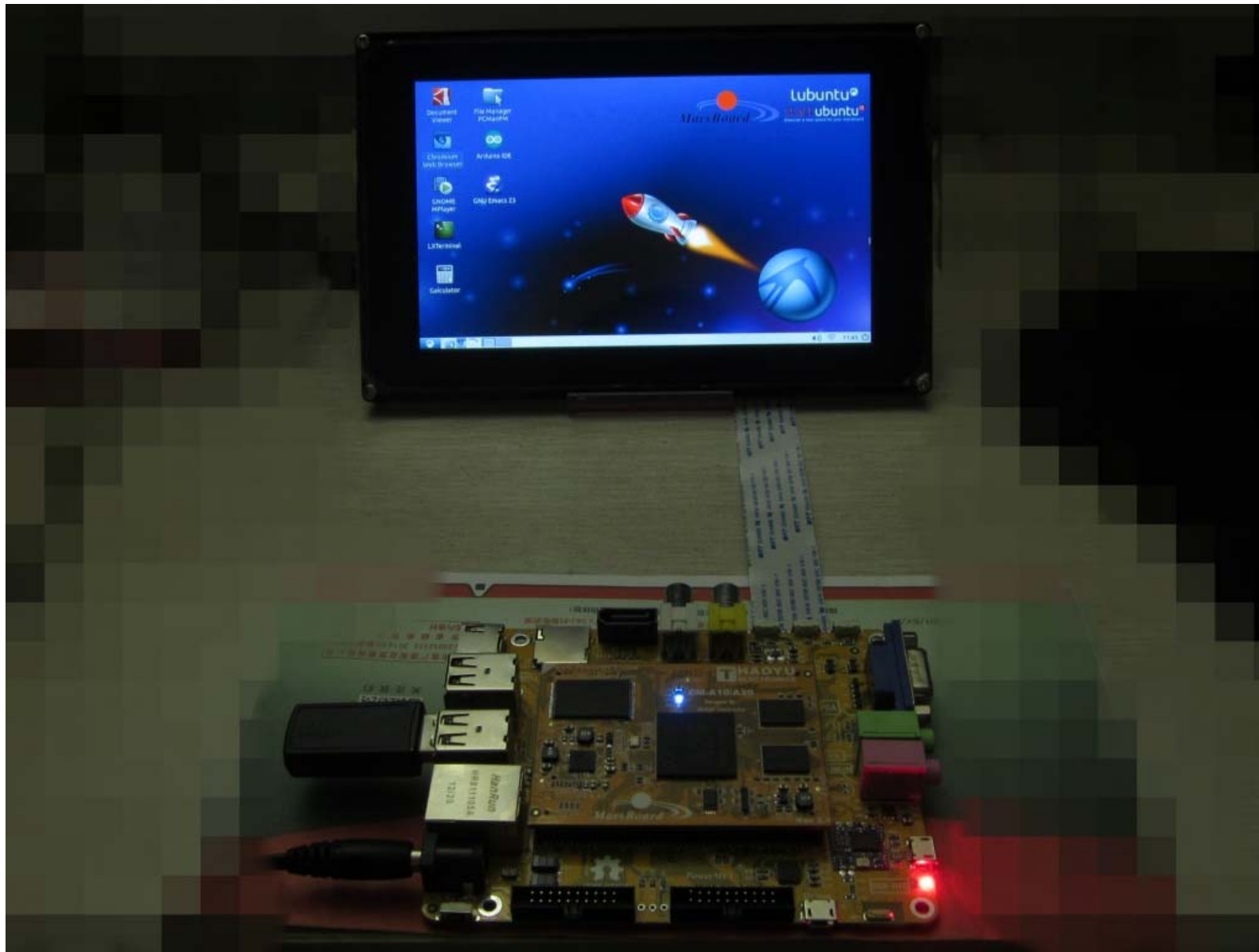
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Description

LCD size	7 inch(Diagonal)
Touch Screen Controller	FT5206
LCD Type	TFT
Resolution	1024 × 3 (RGB) × 600
Backlight	LED
Interface	Digital







RGB Pin Assignment

PIN NO	Symbol	I/O	Function
1	BLVDD	Power	Backlight power supply connect 5V
2	BLVDD	Power	Backlight power supply connect 5V
3	GND	Power	Power ground
4	VDD	Power	Power voltage connect 3.3V
5	R0	Input	Red data (LSB)
6	R1	Input	Red data
7	R2	Input	Red data
8	R3	Input	Red data
9	R4	Input	Red data
10	R5	Input	Red data
11	R6	Input	Red data
12	R7	Input	Red data (MSB)
13	G0	Input	Green data (LSB)
14	G1	Input	Green data
15	G2	Input	Green data
16	G3	Input	Green data
17	G4	Input	Green data
18	G5	Input	Green data
19	G6	Input	Green data
20	G7	Input	Green data (MSB)
21	B0	Input	Blue data (LSB)
22	B1	Input	Blue data
23	B2	Input	Blue data
24	B3	Input	Blue data
25	B4	Input	Blue data
26	B5	Input	Blue data
27	B6	Input	Blue data
28	B7	Input	Blue data (MSB)
29	GND	Power	Power ground
30	PCLK	Input	Pixel clock
31	LCD-BL-EN	Input	LCD backlight control, 1 enable

32	HSYNC	Input	Horizontal Sync Signal
33	VSYNC	Input	Vertical Sync Signal
34	DE	Input	Data Enable
35	BL-ADJ	Input	LCD PWM backlight control
36	GND	Power	Power ground
37	CTP-SDA	Input/Output	CTP I2C SDA
38	CTP-SCL	Input/Output	CTP I2C SCL
39	CTP-RST	Input	CTP RST
40	CTP-INT	Input	CTP INT

LVDS Pin Assignment

PIN NO	Symbol	I/O	Function
1	NC		No Connector
2	VDD1	Power	Power voltage connect 3.3V
3	VDD2	Power	
4	VDD3	Power	
5	GND1	Power	Power ground
6	GND2	Power	
7	GND3	Power	
8	LVDS-D0N	Input	LVDS differential data input
9	LVDS-D0P	Input	LVDS differential data input
10	GND4	Power	Power ground
11	LVDS-D1N	Input	LVDS differential data input
12	LVDS-D1P	Input	LVDS differential data input
13	GND5	Power	Power ground
14	LVDS-D2N	Input	LVDS differential data input
15	LVDS-D2P	Input	LVDS differential data input
16	GND6	Power	Power ground
17	LVDS-CLKN	Input	LVDS differential clock input
18	LVDS-CLKP	Input	LVDS differential clock input
19	GND7	Power	Power ground
20	LVDS-D3N	Input	LVDS differential data input

21	LVDS-D3P	Input	LVDS differential data input
22	GND8	Power	Power ground
23	NC		No Connector
24	NC		No Connector
25	GND9	Power	Power ground
26	CTP-SDA	Input/Output	CTP I2C SDA
27	CTP-SCL	Input/Output	CTP I2C SCL
28	CTP-RST	Input	CTP RST
29	CTP-INT	Input	CTP INT
30	GND10	Power	Power ground
31	BL1-GND	Power	Backlight Power ground
32	BL2-GND	Power	
33	BL3-GND	Power	
34	NC		No Connector
35	BL-ADJ	input	LCD PWM backlight control
36	LCD-BL-EN	input	LCD backlight control, 1 enable
37	NC		No Connector
38	BL1-VDD	Power	Backlight power supply connect 5V
39	BL2-VDD	Power	
40	BL3-VDD	Power	

Includes

- 1x HY070CTP-HD
- 1x 40 pin connect cable

Document

[LCD DataSheet.pdf](#)

[FT5x06 DataSheet.pdf](#)

[HY070CTP-HD Dimension.dxf](#)

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