5'' LCD Resistive Touch Screen Display Module 480x854 dots 400nits Backlight

Basic Information

- Place of Origin: ShenZhen, China
- Brand Name: Chenghao/Oem
- Certification: ROHS ISO9001 CE
- Model Number: CH500FW11-T
- Minimum Order Quantity: 100 pcs
- Price: /
- Packaging Details: All the products are packed in right way to keep it safe. For small sizes of products we use tray + carton, For bigger sizes we use foam slot + carton. we also design packages according to customers' requirements
- Delivery Time: 7-15 working days
- Payment Terms: T/T
- Supply Ability: 300Kpcs/month

Product Specification

- Product Name: Ips Capacitive Touch Screen
- Dot Arrangement: 480x854 Dots
- Size / Inch: 5"
- Outline Dimension: 66.76*120.05*3.2 Mm
- Display Area: 61.631*109.653 Mm
- Backlight: 400 Nits
- Operating Temperature: -20~ +70
- Highlight: **400nits Backlight Touch Screen Display Module , LCD Resistive Touch Screen Display Module , RGB Stripe LCD Resistive Touch Screen**

5 Inch Resistive Touch Screen Display Module With 8 / 16 Bit 8080 System Interface

1. Specification of 5 inch Lcd Screen

item	value
Display Size	5.0 inch
Place of Origin	China
Model Number	CH500FW11-T
Brand Name	Chenghao
Outline Dimension	66.76*120.05*3.2 mm
Display area	61.631*109.653 mm
Number of Pixel	480(H) x 854(V)
Pixel arrangement	RGB Vertical Stripe
Operating Temperature	-20~70℃
Storage Temperature	-30~80℃
color	16.7M

2. Description of Ips Capacitive Touchscreen

ChengHao Display model CH500FW11 -T is a color active matrix thin film transistor (TFT) liquid crystal display (LCD) that uses amorphous silicon TFT as a switching device. This model is composed of a TFT LCD panel, a driving IC, a back- light, a Resistive touch panel and FPC.

This TFT LCD has a 5 (vertical screen) inch diagonally measured active display area with 480*3(RGB)*854 Dots resolution. The driver used for this project is the NT35510 and can display 16M colors by 24 bit R.G.B. signal input. The driver is mounted on the glass and the interconnection via FPC including components to drive the display module. There are 12 pcs white LED lights in the backlight assembly , which is the light source that makes the screen brightness reach 400 cd/m2. In addition, the module is installed with a resistive touch panel that supports multi-touch and supports 8/16-bit 8080 system interface:

In addition, FPC can also be customized according to customer requirements, such as modifying back-light and RTP structure, interface definition, etc.

RoHS Compliance & Halogen Free.

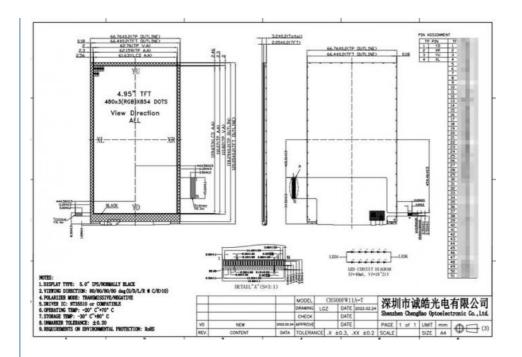### 3. Drawings of Ips Touchscreen Display

Notes:
(1) Display Type : 5"TFT+RTP
(2) Viewing Direction : All Viewing Angle
(3) Lcd Drive IC : NT35510
(4) Polarizer Mode : IPS/ Transmission / Normally Blcak
(5) Operating Temp : -20~70 ℃
(6) Storage Temp : -30~80 ℃
(7) Unmarker Tolerance: ±0.20
(8) Protection : ROHS

Contact Us to get the Detailed Datasheet
Please Click Here

4. Quick Detail of Ips Lcd Panel

* LCD name: 5 Inch Resistive Touch Screen Display Module With 8 / 16 Bit 8080 System Interface
* Part No.: CH500FW11-T
* Size.: 5.0 inch
* With or without touch panel: Yes
* Touch Panel type: Resistive Touch Panel
* Display type: 5" Tft
* Color filter array: RGB vertical stripe
* Display colors: 16.7 M
* Resolution (pixels): 480*854 dots
* Viewing direction: All Viewing Direction
* Controller IC: NT35510
* Display mode: IPS / Transmission / Normally Black
* Overall size: 66.76(W)*120.05(H)*3.2(T) mm
* Active Area: 61.631(W)*109.653(H) mm
* Luminance: 400 NIts
* Contrast: 800:1
* Interface type: system interface
* Pin NO.: 51
* Backlight type : 12 White LED
* Weight: TBD g
* Operating Temperature : -20~ +70 ℃
* Storage Temperature : -30~ +80 ℃

5. Application of Ips Tft Display

6. FAQ

Q1: Do you accept customization displays and touch screens?
A: Sure, you can customization the FPC,Backlight and the touch screen.
Q2: What type of interface is your display screen?
A: Small sized of displays generally support SPI,MCU,RGB,MIPI.Medium sized displays generally support LVDS,MIPI,EDP.Different specifications use different interfaces.
Q3: Do you used capacitive touch screen or resistive touch screen.
A: We have capacitive touch screen and resistive touch screen .
Q4: What is your sample policy?
A: If there is stock,you can sample at any time,if there is no stock,it will take some time,and then wait for the materials to come back to sample. But the customer needs to pay the sample fee and express fee.

Q5: How long is your lead time for mass production?
A: It takes about 20 - 45 working days for mass production,depending on the model and order quantity.

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