



## 7 inch Custom IPS tft module 1024x600 Resolution with Capacitive Touch Panel

### Our Product Introduction

#### Basic Information

- Place of Origin: ShenZhen, China
- Brand Name: Chenghao/Oem
- Certification: ROHS ISO9001 CE
- Model Number: CH700WS17A-CT
- 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

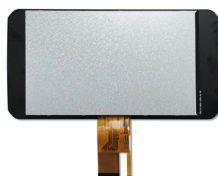


#### Product Specification

- Product Name: Customized LCD Touch Screen
- Display Mode: IPS/Transmissive/Normally Black
- Resolution: 1024x3(RGB)x600 Dots
- Viewing Direction: 80/80/80/80
- Luminance: 1200 Cd/m2
- Color: 16.7M
- Touch Type: Capacitive
- Module Interface: RGB
- Operating Temp: -20 ~ +70°C
- Storage Temp: -30 ~ +80°C
- Highlight: 7 inch IPS tft module, Custom IPS tft module, 1024x600 IPS tft module



#### More Images



## Product Description

### INTRODUCTION of CH700WS17A-CT

CH700WS17A-CT is a custom LCD touch screen module designed for smart home appliances. The display module includes a tft LCD panel, a touch glass cover, a driver IC, a backlight component and a flexible printed circuit board (FPC).

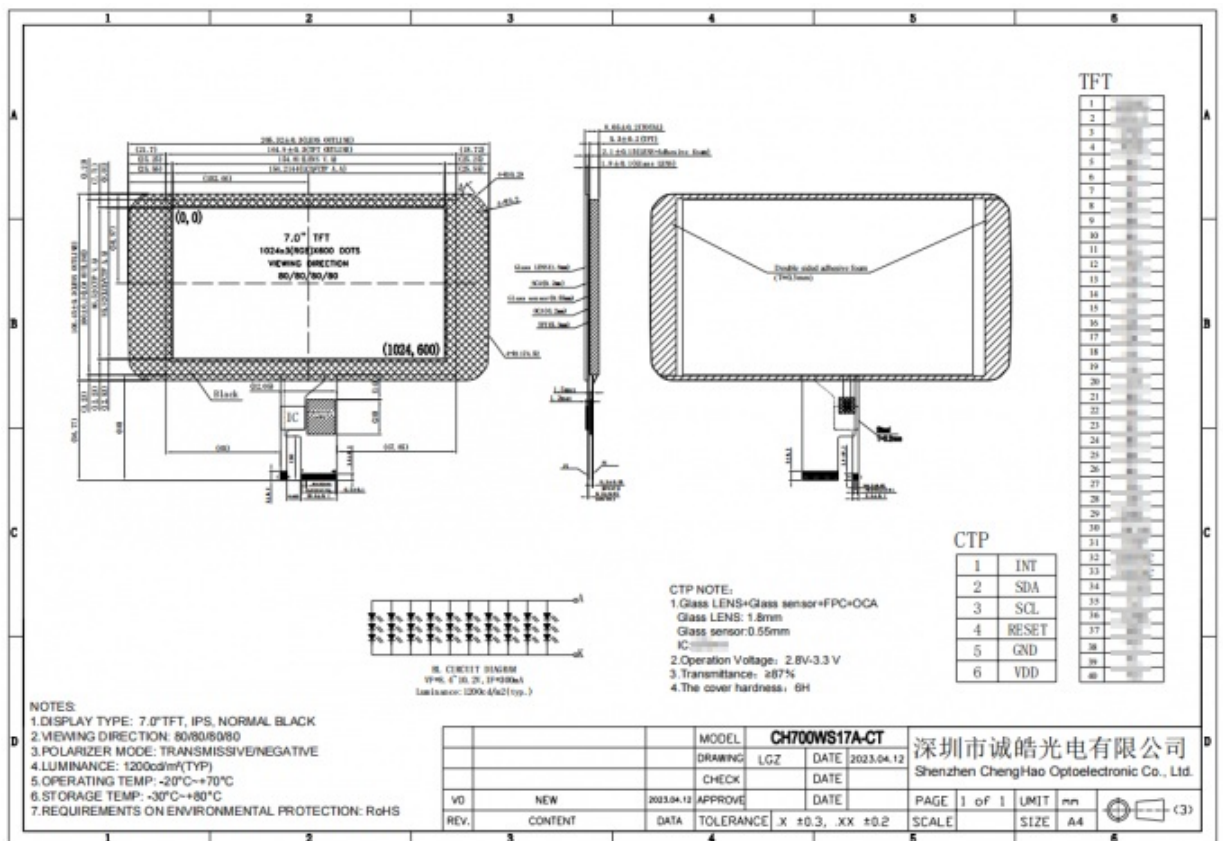
This LCD touch screen module has an active display area of 7 inches in diagonal measurement and can output 16.7M colors and 1024\*600 resolution color picture quality. Thanks to the use of IPS display technology, this display supports free viewing angles, allowing users to read the screen at a more flexible viewing angle without worrying about blurry picture quality.



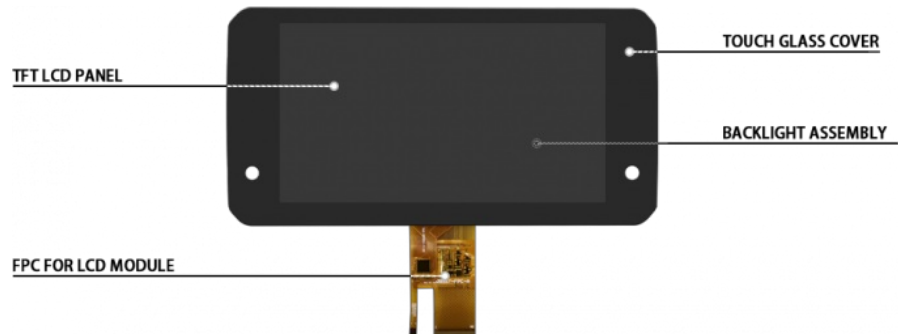
In order to cater to customers' demand for high readability of the device when used outdoors, our engineers use a backlight assembly that can produce 1200 cd/m2 luminance for the display, which makes the display have very good Sunlight Readable capabilities, and users can still get very good visual effects even when reading the screen in a strong light environment.

In addition, we also designed a capacitive touch glass cover with touch sensing function for this display module based on the information provided by the customer, which makes the display module have touch sensing function and can be perfectly integrated with the customer's device.

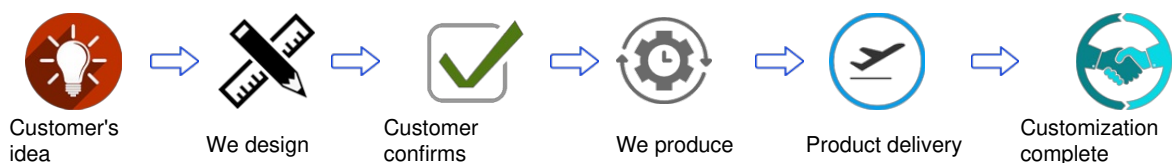
Module No	CH700WS17A-CT	--
Display Type	7" TFT+CTP	--
Display Mode	IPS/Transmissive/Normally Black	--
Number of Dots	1024*3(RGB)*600	--
Viewing Direction	80/80/80/80	--
Luminance	1200	cd/m2
Touch Type	Capacitive	--
Touch Interface	I2C	--
Module Interface	RGB	--
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
Color	16	M



## ABOUT CUSTOMIZATION OF LCD DISPLAYS



### Customization Process of LCD Display



For those companies that need to use visual displays to meet the functional requirements of their products, customized LCD screens are a topic that they can never avoid. As a professional LCD manufacturer, Chenghao Optoelectronic can meet most of the customers' customized needs for LCDs. The customization projects we provide include but are not limited to designing the appearance and structure of FPC, adjusting the backlight brightness, customizing the interface type, designing touch panels, etc. The following is a detailed customization introduction:



### (1) Design FPC

Reasonable and orderly circuit layout is more conducive to the full utilization of the internal space of the equipment! Based on this, we can provide professional FPC customization services according to the actual needs of customer projects. The customization includes but is not limited to designing the shape and structure of the FPC, customizing the number of pins of the FPC, etc.

### (2) Adjust Backlight Brightness

Backlight brightness is a very important parameter of LCD screens, and its size almost determines the readability of LCD screens in different application scenarios. For example, if the backlight brightness of an LCD screen used in outdoor scenes is too low (for example, less than 500 cd/m<sup>2</sup> luminance), the screen will be too dark to be read normally by the user. We can provide customized backlight brightness up to 1200 cd/m<sup>2</sup> luminance according to the actual application scenarios of customer projects, which is enough to meet the requirements of most customer projects for LCD screen brightness.



### (3) Customize LCD Interface

LCD interface is an important component for visual information output and user interaction, and its importance is self-evident. Chenghao Optoelectronic can provide customers with customized services on LCD Interface. We support customers with customized interface services including but not limited to the following types: **SPI, RGB, MCU, MIPI, LVDS, HDMI, EDP...**

### (4) Custom Touch Panel

The touch panel is a component that enables the LCD module to realize the important function of human-computer interaction. According to its working principle, it can be divided into capacitive touch panel (CTP) and resistive touch panel (RTP). Chenghao Optoelectronic can install CTP or RTP for its LCD display project according to customer requirements to meet customers' needs for touch feedback on the LCD screen. One point that needs to be emphasized is that we can design a unique touch glass cover for the customer according to the actual situation of the customer's equipment. The shape, thickness, color, etc. of the glass cover can be strictly customized according to customer requirements. The following is an actual case of the capacitive touch glass cover we designed for our cooperative customers, for reference only.



## OUR OTHER TFT LCD MODULE

As a manufacturer of LCD displays for many years, we have many mass-produced TFT LCD products. These TFT LCD solution information will be open to you for free to shorten your project development time and reduce your project development costs as much as possible. If your team is a novice in TFT LCD displays, then these TFT LCD solution information will help you understand the key information of the project more quickly.

The following are some of our company's mass-produced TFT LCD models and main parameter information. If you can't find a model similar to your project requirements, you can directly consult our online customer service to get the information you need.

Size	Module No	Resolution	Display Mode	Luminance	Touch Type	Operating Temperature
1.1"	CH110T001A	96*96 dots	IPS/Transmissive/Normally Black	200 cd/m2	No TP	-20 - +70°C
1.14"	CH114QV01A	135*240 dots	IPS/Transmissive/Normally Black	400 cd/m2	No TP	-20 - +70°C
1.3"	CH130QV05A	240*240 dots	IPS/Transmissive/Normally Black	300 cd/m2	No TP	-20 - +70°C
1.32"	CH132HV01A	360*360 dots	IPS/Transmissive/Normally Black	300 cd/m2	No TP	-20 - +70°C
1.44"	CH144T006A	128*128 dots	TN/Transmissive/Normally Black	400 cd/m2	No TP	-20 - +70°C
1.44"	CH144QQ21A	128*128 dots	TN/Transmissive/Normally Black	1000 cd/m2	No TP	-20 - +70°C
1.44"	CH144QQ17A-CT	128*128 dots	TN/Transmissive/Normally Black	300 cd/m2	CTP	-20 - +70°C
1.47"	CH147QV01A	172*320 Dots	IPS/Transmissive/Normally Black	500 cd/m2	No TP	-20 - +70°C
1.47"	CH147QV03A-CT	172*320 Dots	IPS/Transmissive/Normally Black	400 cd/m2	CTP	-20 - +70°C
1.5"	CH015B4001A	480*240 Dots	TN/Transmissive/Normally Black	300 cd/m2	No TP	-20 - +70°C
1.77"	CH180QQ21A	128*160 Dots	TN/Transmissive/Normally Black	500 cd/m2	No TP	-20 - +70°C
1.77"	CH180T001B-T	128*160 Dots	TN/Transmissive/Normally Black	300 cd/m2	RTP	-20 - +70°C
1.8"	CH180HV02A	360*360 Dots	IPS/Transmissive/Normally Black	400 cd/m2	No TP	-20 - +70°C
1.9"	CH190QV01A	170*320 Dots	IPS/Transmissive/Normally Black	400 cd/m2	No TP	-20 - +70°C
1.9"	CH190QV01A-CT	170*320 Dots	IPS/Transmissive/Normally Black	300 cd/m2	CTP	-20 - +70°C
2.0"	CH200QV18B	240*320 Dots	IPS/Transmissive/Normally Black	1000 cd/m2	No TP	-20 - +70°C
2.0"	CH200QV18B-CT	240*320 Dots	IPS/Transmissive/Normally Black	1000 cd/m2	CTP	-20 - +70°C
2.1"	CH210WV03A	480*480 Dots	IPS/Transmissive/Normally Black	500 cd/m2	No TP	-20 - +70°C
2.1"	CH210WV01A-CT	480*480 Dots	IPS/Transmissive/Normally Black	300 cd/m2	CTP	-20 - +70°C
2.2"	CH200QV16A-CT	240*320 Dots	TN/Transmissive/Normally Black	300 cd/m2	CTP	-20 - +70°C
2.31"	CH231QV07A	320*240 Dots	TN/Transmissive/Normally Black	450 cd/m2	No TP	-20 - +70°C
2.4"	CH240QV64A	240*320 Dots	IPS/Transmissive/Normally Black	300 cd/m2	No TP	-20 - +70°C
2.4"	CH240QV63A-CT	240*320 Dots	IPS/Transmissive/Normally Black	350 cd/m2	CTP	-20 - +70°C
2.4"	CH240QV53B-T	240*320 Dots	IPS/Transmissive/Normally Black	800 cd/m2	RTP	-20 - +70°C
2.8"	CH280QV36B	240*320 Dots	IPS/Transmissive/Normally Black	1000 cd/m2	No TP	-20 - +70°C
2.8"	CH280QV10-CT	240*320 Dots	IPS/Transmissive/Normally Black	1000 cd/m2	CTP	-20 - +70°C
2.8"	CH280QV07-T	240*320 Dots	TN/Transmissive/Normally Black	300 cd/m2	RTP	-20 - +70°C
3.2"	CH320QV18A	240*320 Dots	IPS/Transmissive/Normally Black	300 cd/m2	No TP	-20 - +70°C
3.2"	CH320QV15A-T	240*320 Dots	TN/Transmissive/Normally Black	250 cd/m2	RTP	-20 - +70°C
3.5"	CH350HV47B	320*480 Dots	IPS/Transmissive/Normally Black	1000 cd/m2	No TP	-20 - +70°C
3.5"	CH350HV51A-CT	320*480 Dots	IPS/Transmissive/Normally Black	600 cd/m2	CTP	-20 - +70°C
3.5"	CH350HV53A-T	320*480 Dots	TN/Transmissive/Normally Black	300 cd/m2	RTP	-20 - +70°C
3.5"	CH350QV11A	320*240 Dots	IPS/Transmissive/Normally Black	1000 cd/m2	No TP	-10 - +60°C
3.5"	CH350QV11C-T	320*240 Dots	IPS/Transmissive/Normally Black	300 cd/m2	RTP	-20 - +70°C
3.5"	CH350QV12A-CT-PA	320*240 Dots	IPS/Transmissive/Normally Black	300 cd/m2	CTP	-20 - +70°C
3.5"	CH350VG02A	640*480 Dots	IPS/Transmissive/Normally Black	300 cd/m2	No TP	-20 - +70°C
3.9"	CH390WQ01A	480*128 Dots	IPS/Transmissive/Normally Black	500 cd/m2	No TP	-20 - +70°C



3.95"	CH400WV19A	480*480 Dots	IPS/Transmissive/Normally Black	350 cd/m2	No TP	-20 - +70°C
3.95"	CH400WV17B-CTBA	480*480 Dots	IPS/Transmissive/Normally Black	300 cd/m2	CTP	-20 - +70°C
3.97"	CH400WV22A	480*800 Dots	IPS/Transmissive/Normally Black	450 cd/m2	No TP	-20 - +70°C
3.97"	CH400WV22A-CT	480*800 Dots	IPS/Transmissive/Normally Black	350 cd/m2	CTP	-20 - +70°C
4.3"	CH430HD01A	1280*720 Dots	IPS/Transmissive/Normally Black	300 cd/m2	No TP	-20 - +70°C
4.3"	CH430WQ18A	480*272 Dots	IPS/Transmissive/Normally Black	1000 cd/m2	No TP	-20 - +70°C
4.3"	CH430WQ21A-CT	480*272 Dots	IPS/Transmissive/Normally Black	350 cd/m2	CTP	-20 - +70°C
4.3"	CH430WQ09A-T	480*272 Dots	TN/Transmissive/Normally Black	230 cd/m2	RTP	-20 - +70°C
4.3"	CH430WV18A	480*800 Dots	IPS/Transmissive/Normally Black	400 cd/m2	No TP	-20 - +70°C
4.3"	CH430WV22A-CT	480*800 Dots	IPS/Transmissive/Normally Black	350 cd/m2	CTP	-20 - +70°C
4.3"	CH430WV17A-T	480*800 Dots	IPS/Transmissive/Normally Black	350 cd/m2	RTP	-20 - +70°C
4.41"	CH441FH01A	1920*1080 Dots	IPS/Transmissive/Normally Black	300 cd/m2	No TP	-20 - +70°C
4.5"	CH450FW06A	480*854 Dots	IPS/Transmissive/Normally Black	300 cd/m2	No TP	-20 - +70°C
5.0"	CH500FW09A	480*854 Dots	IPS/Transmissive/Normally Black	450 cd/m2	No TP	-20 - +70°C
5.0"	CH500FW11A-T	480*854 Dots	IPS/Transmissive/Normally Black	500 cd/m2	RTP	-20 - +70°C
5.0"	CH500FW09A-CT	480*854 Dots	IPS/Transmissive/Normally Black	450 cd/m2	CTP	-20 - +70°C
5.0"	CH500VG01A	640*480 Dots	TN/Transmissive/Normally Black	250 cd/m2	No TP	-20 - +70°C
5.0"	CH500WQ03B	480*272 Dots	TN/Transmissive/Normally Black	1000 cd/m2	No TP	-20 - +70°C
5.0"	CH500WQ03B-T	480*272 Dots	TN/Transmissive/Normally Black	1000 cd/m2	RTP	-20 - +70°C
5.0"	CH500WV10A	800*480 Dots	IPS/Transmissive/Normally Black	1200 cd/m2	No TP	-20 - +70°C
5.0"	CH500WV05A-T	800*480 Dots	IPS/Transmissive/Normally Black	250 cd/m2	RTP	-20 - +70°C
5.0"	CH500WV06A-CTA	480*800 Dots	IPS/Transmissive/Normally Black	350 cd/m2	CTP	-20 - +70°C
5.5"	CH550FH02A	1080*1920 Dots	IPS/Transmissive/Normally Black	600 cd/m2	No TP	-20 - +70°C
5.5"	CH550FH01A-CTB	1080*1920 Dots	IPS/Transmissive/Normally Black	300 cd/m2	CTP	-20 - +70°C
6.2"	CH620WV01A-CT	800*480 Dots	TN/Transmissive/Normally Black	350 cd/m2	CTP	-20 - +70°C
6.86"	CH068HWH12-CT	480*1280 Dots	IPS/Transmissive/Normally Black	450 cd/m2	CTP	-20 - +60°C
6.86"	CH686HD02A-CT	1280*480 Dots	IPS/Transmissive/Normally Black	500 cd/m2	CTP	-20 - +70°C
7.0"	CH700FH01A	1200*1920 Dots	IPS/Transmissive/Normally Black	700 cd/m2	No TP	-20 - +70°C
7.0"	CH700WS16A	1024*600 Dots	IPS/Transmissive/Normally Black	500 cd/m2	No TP	-20 - +70°C
7.0"	CH700WS12A-CTW	1024*600 Dots	IPS/Transmissive/Normally Black	300 cd/m2	CTP	-20 - +70°C
7.0"	CH700WS03D-T	1024*600 Dots	TN/Transmissive/Normally Black	350 cd/m2	RTP	-20 - +70°C
7.0"	CH700WV03A	800*480 Dots	TN/Transmissive/Normally Black	280 cd/m2	No TP	-20 - +70°C
7.0"	CH700WV03B-T	800*480 Dots	TN/Transmissive/Normally Black	700 cd/m2	RTP	-20 - +70°C
7.0"	CH700WV09B-CTB-PI	800*480 Dots	IPS/Transmissive/Normally Black	400 cd/m2	CTP	-20 - +70°C
8"	CH800FH03A	1200*1920 Dots	IPS/Transmissive/Normally Black	350 cd/m2	No TP	-20 - +70°C
8"	CH800SV01A	800*600 Dots	TN/Transmissive/Normally Black	350 cd/m2	No TP	-20 - +70°C
8"	CH800SV01A-CT-PB	800*600 Dots	TN/Transmissive/Normally Black	300 cd/m2	CTP	-20 - +70°C
8"	CH800WX02A-CT	800*1280 Dots	IPS/Transmissive/Normally Black	300 cd/m2	CTP	-20 - +70°C

8"	CH800XG01A	1024*768 Dots	IPS/Transmissive/Normally Black	2500 cd/m2	No TP	-30 - +80°C
8"	CH800XG04A-CT	1024*768 Dots	IPS/Transmissive/Normally Black	2500 cd/m2	CTP	-30 - +80°C
9"	CH900WS01A	1024*600 Dots	TN/Transmissive/Normally Black	250 cd/m2	No TP	-20 - +70°C
9"	CH900WV01A-CT	800*480 Dots	TN/Transmissive/Normally Black	300 cd/m2	CTP	-20 - +70°C
9"	CH900WX01A-CTB	1280*720 Dots	IPS/Transmissive/Normally Black	400 cd/m2	CTP	-20 - +85°C
10.1"	CH101WS03B	1024*600 Dots	TN/Transmissive/Normally Black	300 cd/m2	No TP	-20 - +70°C
10.1"	CH101WS08C-CTD	1024*600 Dots	IPS/Transmissive/Normally Black	1000 cd/m2	CTP	-20 - +70°C
10.1"	CH101WS03A-T	1024*600 Dots	IPS/Transmissive/Normally Black	400 cd/m2	RTP	-20 - +70°C
10.1"	CH101WX08A	800*1280 Dots	IPS/Transmissive/Normally Black	500 cd/m2	RTP	-20 - +70°C
10.1"	CH101WX05A-CTDW	800*1280 Dots	IPS/Transmissive/Normally Black	300 cd/m2	CTP	-20 - +70°C
10.25"	CH103WX01A	1280*480 Dots	IPS/Transmissive/Normally Black	900 cd/m2	No TP	-30 - +85°C
10.4"	CH104SV01A	800*600 Dots	TN/Transmissive/Normally Black	300 cd/m2	No TP	-20 - +70°C
10.4"	CH104SV01A-CT-PB	800*600 Dots	TN/Transmissive/Normally Black	300 cd/m2	CTP	-20 - +70°C
11.88"	CH119HD01A	440*1920 Dots	IPS/Transmissive/Normally Black	800 cd/m2	No TP	-20 - +70°C
12.3"	CH123FH01A-PA	1920*720 Dots	IPS/Transmissive/Normally Black	1000 cd/m2	No TP	-30 - +85°C
12.3"	CH123HAX04	1920*720 Dots	IPS/Transmissive/Normally Black	600 cd/m2	No TP	-30 - +85°C
13.3"	CH133FH01A	1920*1080 Dots	IPS/Transmissive/Normally Black	330 cd/m2	No TP	-20 - +70°C



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