



Sunlight Readable Lcd Tft Touch Screen 5.5 inch 1080x1920 FHD display with CTP

Our Product Introduction

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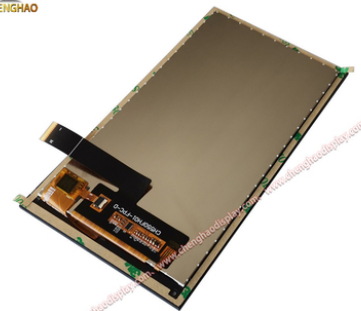
Basic Information

- Place of Origin: China Shenzhen
- Brand Name: Chenghao Optoelectronic
- Certification: RoHS CE FCC
- Model Number: CH550FH01A-CTB
- Minimum Order Quantity: 100 pcs
- 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: 3~7 Days
- Payment Terms: TT
- Supply Ability: 300K pcs/month

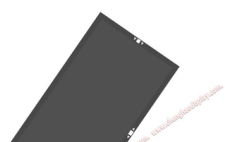


Product Specification

- Product Name: Sunlight Readable Lcd Tft Touch Screen
- Display Mode: IPS / Transmissive / Normally Black
- Storage Temperature: -30 ~ +80°C
- Resolution: 1080*1920 Dots
- Transmittance: ≥87%
- Touch Panel Thickness: 1.6 Mm
- Luminance: 600 Cd/m2
- Lcd Interface: MIPI
- Viewing Direction: 80/80/80/80
- Highlight: 1080x1920 Lcd Tft Touch Screen,
5.5 inch Lcd Tft Touch Screen,
Sunlight Readable Lcd Tft Touch Screen



More Images





Product Description

Product Description:

The CH550FF01A-CTB is a high-performance 5.5-inch Full HD touch display module designed to meet modern display needs. With a resolution of up to 1080*1920 pixels, it can present clear details and is suitable for a variety of application scenarios such as industrial control, medical equipment and smart home. The module uses IPS technology to provide a wide viewing angle display effect, ensuring vivid and true colors.

The LCD interface is MIPI, which ensures fast and reliable data transmission, making it ideal for a variety of applications. Whether you use it for gaming, industrial automation or medical equipment, this TFT display can provide you with the speed and performance you need.



In terms of brightness, the CH550FF01A-CTB has a maximum brightness of up to 600 cd/m², ensuring good readability in different lighting conditions, especially suitable for outdoor use. It is also equipped with a capacitive touch panel and supports multi-touch, which enhances the user interaction experience and makes the operation more intuitive.

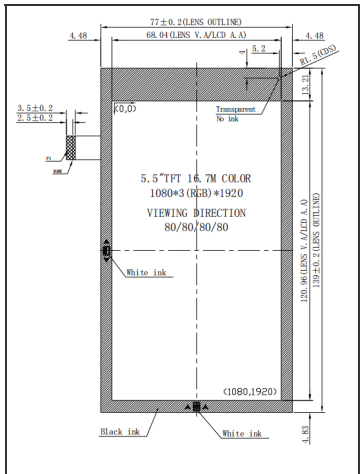
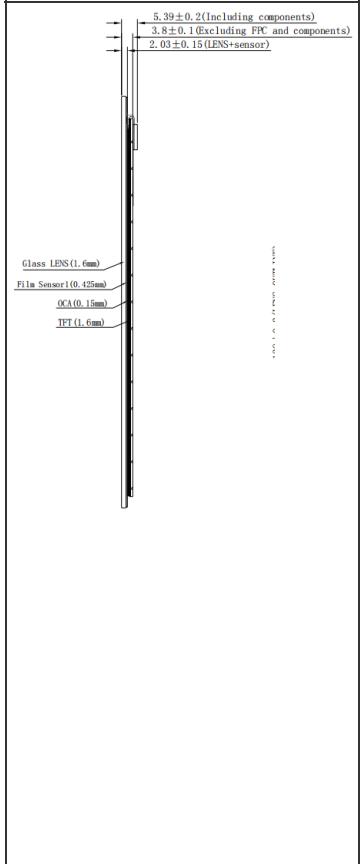
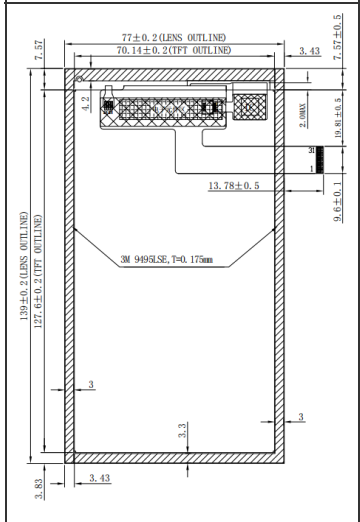
The touch screen interface is I2C, which makes it simple and easy to connect the display to the device. With its plug-and-play design, you can be up and running in no time.



In addition, the module has an operating temperature range of -20 to +70°C and a storage temperature range of -30 to +80°C, ensuring its stability in various extreme environments. The dimensions of CH550FF01A-CTB are 77*139*5.39 mm, with a compact design that is easy to integrate into different devices. It also supports a variety of customization options, and customers can adjust the design of the module according to specific needs to meet personalized application requirements.

In short, CH550FF01A-CTB has become an important choice in modern display technology with its excellent display performance and wide application potential, and can effectively meet the high standards of various industries.

Features:

		<p>The product features of CH550FF01A-CTB mainly include the following aspects:</p> <p>High resolution: The module provides a full HD resolution of 1080*1920, ensuring clear image details and suitable for a variety of application scenarios.</p> <p>IPS display technology: Adopting IPS (plane switching) technology, it provides wide viewing angle and excellent color performance, making the display effect more vivid and realistic.</p> <p>Touch function: Equipped with a capacitive touch panel, it supports multi-touch, enhances the user interaction experience, and makes the operation more convenient.</p>
		<p>Brightness performance: The maximum brightness can reach 600 cd/m², ensuring readability under different lighting conditions, suitable for outdoor and strong light environments.</p> <p>Temperature adaptability: The module has an operating temperature range of -20 to +70°C and a storage temperature range of -30 to +80°C, ensuring stability in various extreme environments.</p> <p>Compact design: The module size is 77*139*5.39 mm, and the active and visible areas are both 68.04*120.96 mm, which is easy to integrate into various devices.</p>
		<p>Customization options: Supports a variety of customization services, including FPC design, backlight brightness adjustment, and personalized design of touch panels to meet customers' specific needs.</p> <p>Wide range of applications: This module is suitable for industrial control, medical equipment, smart home and other fields to meet the diverse needs of modern display technology.</p> <p>Through the above features, CH550FF01A-CTB demonstrates its importance and wide application potential in modern display technology.</p>

Technical Parameters:

Operating Temperature	-20 ~ +70°C
Resolution	1080*1920 Dots

Lcd Interface	MIPI
Luminance	600 Cd/m2
Storage Temperature	-30 ~ +80°C
Touch Panel Interface	I2C
Viewing Direction	80/80/80/80
Touch Panel Type	Capacitive
Transmittance	≥87%
Display Mode	IPS / Transmissive / Normally Black

Applications:

Some product applications and scenarios of Chenghao Optoelectronics CH550FH01A-CTB touch LCD screen include:

- * Portable electronic devices: The CH550FH01A-CTB touch LCD screen can be used as a display touch screen for portable electronic devices, such as POS machines, scanning equipment, etc.
- * Medical instruments: The touch panel interface of this LCD touch screen makes it suitable for use in medical instruments, and its high brightness and high resolution display also make it an ideal choice for medical equipment manufacturers.
- * Industrial control systems: The CH550FH01A-CTB touch LCD screen can be used in industrial control systems that require a display touch screen, and its high brightness and touch panel interface make it suitable for use in such systems.
- * Game equipment: The touch panel interface of this LCD touch screen makes it very suitable for use in game equipment, and its high brightness and small size also make it suitable for use in game equipment.

In summary, Chenghao Optoelectronics CH550FH01A-CTB touch LCD screen is a versatile product with a wide range of product applications and scenarios.

FAQ:

Q1: What is the brand name of this product?

A1: The brand name of this product is Chenghao Optoelectronic.

Q2: What is the model number of this product?

A2: The model number of this product is CH550FH01A-CTB.

Q3: Where is this product manufactured?

A3: This product is manufactured in China Shenzhen.

Q4: What certifications does this product have?

A4: This product has RoHS, CE, and FCC certifications.

Q5: What is the minimum order quantity for this product?

A5: The minimum order quantity for this product is 100 pcs.

Q6: What are the packaging details for this product?

A6: All the products are packed in the right way to keep them 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.

Q7: What is the delivery time for this product?

A7: The delivery time for this product is 3~7 days.

Q8: What are the payment terms for this product?

A8: The payment terms for this product are TT.

Q9: What is the supply ability of this product?

A9: The supply ability of this product is 300K pcs/month.



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