



Shenzhen ChengHao Optoelectronic Co., Ltd.

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## 12 Inch Lcd Panel 1000cd/m2 Backlight 1920\*1080 Full HD Resolution With Capacitive Touch

Our Product Introduction

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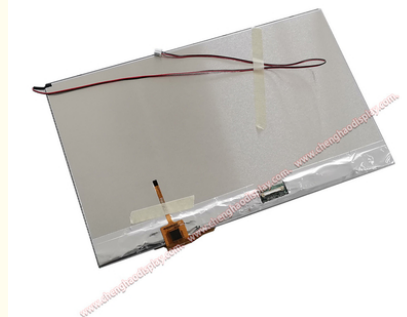
### Basic Information

- Brand Name: Chenghao Optoelectronic
- Certification: CE RoHS FCC
- Model Number: CH120FH01A-CT
- Minimum Order Quantity: No Moq
- 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 Or Others
- Supply Ability: 20000000 Pcs/month

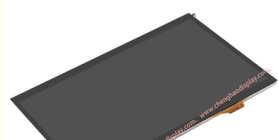


### Product Specification

- Storage Temperature: -30 ~ +80 °C
- Viewing Direction: 80/80/80/80
- LCD Interface: EDP
- Touch Panel Interface: I2C
- Display Mode: IPS /transmissive/ Normally Black
- Brightness: 1000 Cd/m2
- Touch Glass Cover Thickness: 1.1 Mm
- Resolution: 1920x1080 Dots



### More Images



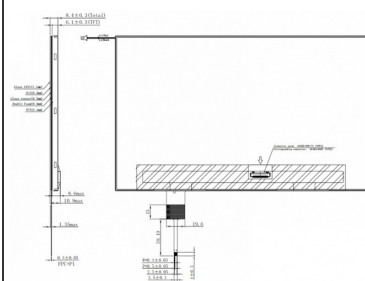
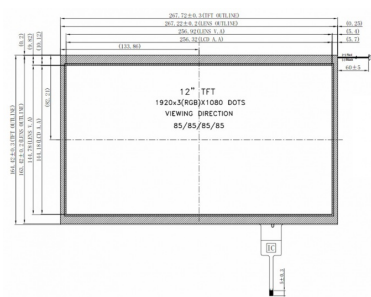
## Product Description

### Product Description:

The CH120FH01A-CT is a premium 12-inch IPS TFT LCD touch screen module designed to deliver exceptional visual performance and user interaction capabilities. With a resolution of 1920 x 1080 pixels, this module provides sharp and vibrant images, making it ideal for a variety of applications, including industrial control, medical devices, and consumer electronics .

This display features advanced IPS technology, which ensures wide viewing angles of 80 degrees in all directions, allowing users to enjoy consistent color and brightness from different perspectives . The high brightness level of 1000 cd/m<sup>2</sup> enhances visibility, even in brightly lit environments, making it suitable for outdoor use and applications that require clear readability under various lighting conditions .

The CH120FH01A-CT is equipped with a capacitive touch panel that supports multi-touch functionality, providing an intuitive user experience. The touch glass cover, with a thickness of 1.1 mm and a hardness rating of 6H, ensures durability and resistance to scratches, making it suitable for frequent use in demanding environments.



Designed to operate effectively in a temperature range of -20°C to +70°C, this module is resilient in various conditions, including industrial settings. Furthermore, its compact dimensions of 267.72 mm x 164.42 mm x 8.4 mm make it easy to integrate into a wide range of devices without compromising on screen space. In summary, the CH120FH01A-CT is a versatile and high-performance display solution that combines advanced technology with robust design, making it an excellent choice for modern applications across multiple industries.

### Features:

- (1) Full HD Display: The CH120FH01A-CT features a full HD resolution of 1920 x 1080 pixels, providing clear and detailed images suitable for a variety of applications .
- (2) IPS Technology: This module utilizes In-Plane Switching (IPS) technology, which allows for wide viewing angles of 80 degrees in all directions, ensuring consistent color and brightness from various perspectives.
- (3) High Brightness: With a brightness level of 1000 cd/m<sup>2</sup>, the display is designed for excellent visibility, even in bright environments, making it ideal for outdoor and well-lit applications.
- (4) Capacitive Touch Panel: The CH120FH01A-CT is equipped with a capacitive touch panel that supports multi-touch functionality, enhancing user interaction and making navigation intuitive.
- (5) Durable Touch Glass: The touch glass cover has a thickness of 1.1 mm and a hardness rating of 6H, providing excellent resistance to scratches and ensuring durability for frequent use.
- (6) High Light Transmittance: The touch glass cover achieves a transmittance of ≥ 87%, which helps maintain the display's brightness and color accuracy, contributing to an enhanced viewing experience.
- (7) Wide Operating Temperature Range: This module operates effectively in a temperature range of -20°C to +70°C, making it suitable for diverse environments, including industrial settings.
- (8) Robust Storage Temperature Range: The CH120FH01A-CT can withstand storage temperatures from -30°C to +80°C, ensuring reliability and performance even in extreme conditions.

### Technical Parameters:

Storage Temperature	-30° ~ +80 °C
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A: This product is certified with CE, RoHS, and FCC.

Q: What is the minimum order quantity for this TFT LCD Capacitive Touchscreen product?

A: There is no minimum order quantity (No Moq) required for this product.

Q: What are the packaging details for this TFT LCD Capacitive Touchscreen product?

A: All the products are packed in the 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.



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