



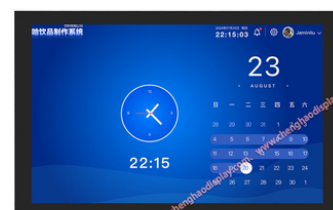
10.1 Inch Industrial Touch Screen TFT Module with 800*1280 Dots Resolution and Wide Temperature Tolerance

Our Product Introduction

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Basic Information

- Place of Origin: China, Shenzhen
- Brand Name: Chenghao Optoelectronic
- Certification: CE RoHS
- Model Number: CH101WX05A-CTC
- 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: 7-15 working days
- Supply Ability: 300Kpcs/month



Product Specification

- Product Name: 10.1 Inch Industrial Touch Screen
- Resolution: 800*1280 Dots
- Module Size: 156 * 242 * 5.85 Mm
- Touch Panel Interface: IIC
- Luminance: 300 Cd/m2
- Visible Area Size: 135.66 * 216.88 Mm
- Active Area Size: 135.36 * 216.576 Mm
- Display Mode: IPS /transmissive/ Normally Black
- Viewing Direction: 80/80/80/80



More Images



Product Description

Product Description:

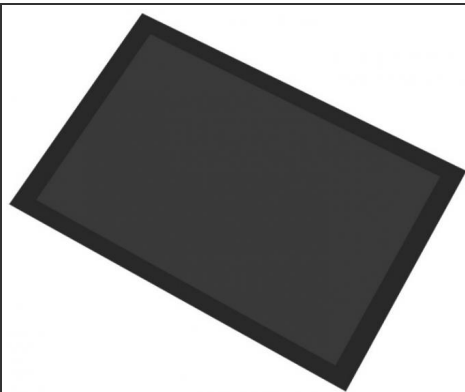
CH101WX05A-CTC is a 10.1-inch vertical color TFT LCD module with excellent functions. With many advanced features, it has unique advantages in many application scenarios.

In terms of display performance, it has a resolution of 800×1280, which can present users with clear and delicate pictures. Whether it is complex data charts or vivid images, they can be accurately restored with full details. With IPS wide viewing angle technology, the viewing angle reaches 80/80/80/80, which means that when watching the screen in different directions and angles, the brightness, color and clarity of the picture will not change significantly, which greatly facilitates multiple people to view information at the same time, and has significant advantages in scenes such as collaborative office and display equipment. Its typical brightness is 300cd/m², which can provide a soft and clear visual experience in indoor light environment. At the same time, combined with transmissive and normally black display modes, it effectively balances visual effects and power consumption, helps to extend the battery life of the device, and is very suitable for portable devices.

In terms of touch, CH101WX05A-CTC uses a G+G capacitive touch screen, which is composed of a 2.0mm glass lens and a 0.55mm ITO glass. The total thickness of the module is only 5.85±0.3mm, which is thin and light while having good impact resistance. The glass with a surface hardness of 6H can resist scratches and wear in daily use, ensuring the service life of the screen. The GT911 touch chip equipped supports precise multi-touch operation and is sensitive to response. Whether it is click, slide or zoom, it can respond quickly, bringing users a smooth interactive experience.



In terms of interface and connection performance, the module is equipped with a MIPI-DSI interface and a FH26-31S-0.3SHW connector. The MIPI-DSI interface realizes high-speed and low-power data transmission, ensuring that the screen can obtain and display the image and video signals output by the device in a timely manner. The dedicated connector ensures the stability of the connection, reduces interference and loss during signal transmission, and adapts to the strict requirements of modern smart devices for efficient data transmission.

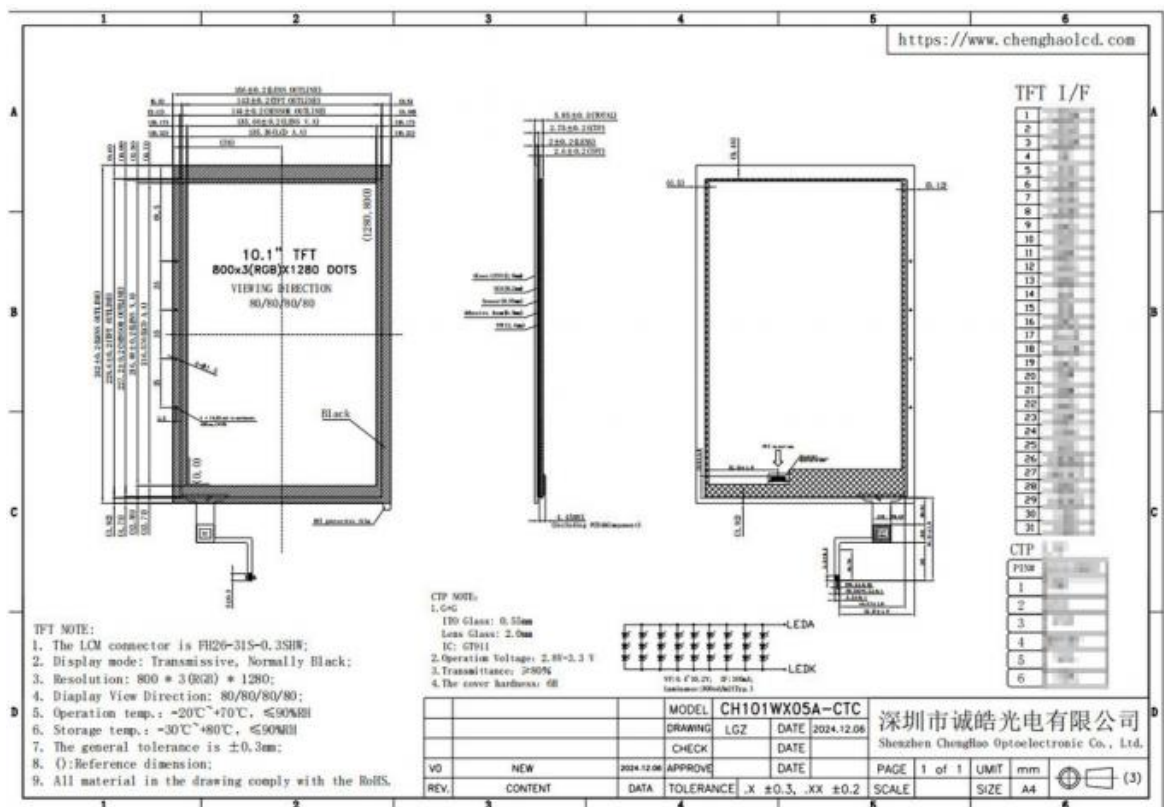


In terms of environmental adaptability, CH101WX05A-CTC performs well. The operating temperature range is -20°C to 70°C, and the storage temperature range is -30°C to 80°C. It can adapt to a variety of harsh environments such as outdoor and industrial. It can operate stably even in the cold northern winter outdoors or in high-temperature industrial plants. Moreover, the product complies with RoHS environmental protection standards and is safe and reliable in material use.

In short, CH101WX05A-CTC has become an ideal display module choice for many fields such as industrial control, vehicle display, and commercial display with its excellent display, touch, and connection performance and strong environmental adaptability, providing stable and efficient display and interactive solutions for various types of equipment.

Technical Parameters:

Parameter	Value
Visible area size	135.66 * 216.88 mm
Module Size	156 * 242 * 5.85 mm
Active area size	135.36 * 216.576 mm
Resolution	800*1280 dots
Touch Panel Type	Capacitive
Touch Panel Interface	IIC
LCD Interface	MIPI
Viewing Direction	80/80/80/80
Operating Temperature	-20 ~ +70 °C
Storage Temperature	-30 ~ +80 °C



Applications:

1. Financial self-service terminal

In banks, securities business halls and other places, financial self-service terminals are important equipment for customers to handle business. The 10.1-inch vertical screen design of CH101WX05A-CTC fits the layout of the financial business operation interface, making it convenient for customers to view various business information and operation instructions. Its high resolution (800×1280) can clearly display complex charts and text information, such as the income trend of financial products and business terms. IPS wide viewing angle technology (80/80/80/80) allows customers to clearly see the screen content when operating at different angles, avoiding information misreading caused by viewing angle problems. G+G capacitive touch screen with GT911 touch chip, precise and sensitive operation, customers can easily click options, enter passwords, etc., to improve business handling efficiency.

2. Smart retail equipment

Under the general trend of new retail, smart retail equipment plays a key role. CH101WX05A-CTC can be applied to smart shelves, self-service cash registers and other equipment. On smart shelves, it can display product information, promotional posters, etc. in high resolution to attract customers' attention. The high-brightness (300cd/m²) screen can still clearly present content under the complex lighting environment of the mall, ensuring that customers can quickly obtain key information when browsing products. The capacitive touch screen allows customers to click to view product details, inventory information, etc., enhancing the shopping experience. On the self-service cash register, the vertical screen design conforms to the operating habits, and the wide viewing angle makes it easy for customers and cashiers to view transaction information at the same time, helping the retail industry to improve service efficiency and customer satisfaction.

3. Elevator car display system

As an essential facility in modern buildings, the elevator car display system is crucial. CH101WX05A-CTC can be used for floor display, advertising playback and emergency call interaction interface in the elevator car. High resolution and wide viewing angle ensure that passengers at all positions in the car can clearly see the floor information and advertising content. Its thin and light design (total thickness 5.85±0.3mm) makes it easy to install on the car wall without taking up too much space. The wide temperature performance enables it to adapt to the complex temperature environment in the elevator shaft. Whether it is an elevator in a high-rise office building or an elevator in a residential building, it can work stably. In addition, the module complies with RoHS environmental protection standards, ensures the environmental safety in the elevator, and provides passengers with a comfortable and safe elevator experience.

4. Power equipment monitoring terminal

In the power system, real-time monitoring of various types of equipment is crucial. CH101WX05A-CTC can be used as a display screen for power equipment monitoring terminals and is applied to substations, distribution rooms and other places. The vertical screen design is convenient for displaying multiple sets of data such as power parameters and equipment operating status. The high resolution can clearly present complex power charts and curves, helping staff to accurately judge the operation of the equipment. The wide viewing angle technology allows staff at different positions around the equipment to view monitoring information at any time. The wide temperature characteristics ensure that the equipment can work normally in the high and low temperature environments of outdoor substations. The high-speed data transmission capability of the MIPI interface ensures that the monitoring data is updated in a timely manner, providing strong support for the stable operation of the power system.

Support and Services:

For the high-performance 10.1-inch vertical screen TFT LCD module CH101WX05A-CTC, we provide comprehensive support and services to ensure that our customers can get the most out of this product.

Technical Support

Our technical support team consists of highly skilled engineers with in-depth knowledge of display technology. They can assist customers throughout the product lifecycle. For customers who integrate the CH101WX05A - CTC into their devices, we provide detailed technical

documentation. This includes pinout diagrams, electrical specifications, and interface protocols to help customers understand how to properly connect and configure the module.

If a technical problem arises, customers can contact our support team via email, phone, or online ticketing system. Our engineers will analyze the problem promptly. For hardware-related issues such as touch screen failure or display artifacts, we provide remote diagnostic services

After-sales Service

We provide a 12-month warranty for the CH101WX05A - CTC. During this period, if the product fails due to manufacturing defects, we will repair or replace it free of charge. Customers only need to provide proof of purchase and a detailed description of the problem. Our after-sales service team will take care of the rest, ensuring a seamless replacement or repair process.

Customization Support

We recognize that different customers may have unique requirements for their display modules. Therefore, we offer customization support for the CH101WX05A - CTC. If a customer needs to adjust the brightness level to meet specific environmental requirements, or they want to change the interface type to better integrate with an existing system, our R&D team can work with them to develop a custom solution. We will evaluate the feasibility of the customization request, provide a detailed quote, and ensure that the customized product meets the highest quality standards.

In short, with our comprehensive support and services, customers can rest easy when using the CH101WX05A - CTC, knowing that they have a reliable partner for any technical, after-sales, or customization needs.

FAQ:

Q: What is the resolution of CH101WX05A-CTC?

A: The resolution of CH101WX05A-CTC is 800x1280 pixels, which can provide clear image display and is suitable for a variety of application scenarios.

Q: What is the operating temperature range of this product?

A: The operating temperature range of this display module is -20 to +70 degrees Celsius. It can operate stably under various environmental conditions and is suitable for industrial and outdoor applications.

Q: What is the warranty policy of CH101WX05A-CTC?

A: We provide a one-year warranty service for CH101WX05A-CTC to ensure the product quality under normal use. If there is a quality problem during the warranty period, we will provide free repair or replacement service.

Q: If the product fails, how to deal with after-sales service?

A: Our after-sales service team will provide customers with remote technical support to help solve any problems encountered during use. Customers can contact us by email or phone to get timely help.

Q: How to apply for technical support?

A: If customers need technical support when using CH101WX05A-CTC, they can submit a request through our official website or customer service hotline, and our technical team will respond within 24 hours.

Q: Does CH101WX05A-CTC support customization?

A: Yes, CH101WX05A-CTC supports a variety of customization options, including size, interface type, and backlight brightness. Customers can customize according to specific needs to meet the requirements of different applications.

Q: What types of touch functions does the product support?

A: CH101WX05A-CTC is equipped with a capacitive touch panel, supports multi-touch, and is suitable for application scenarios that require touch interaction.

Q: How to get samples for testing?

A: Customers can apply for samples through our sales team for testing and evaluation before placing an order. We encourage customers to experience the product before confirming the order.

Q: What is the brightness of this product?

A: The maximum brightness of CH101WX05A-CTC can reach 300 cd/m², ensuring good visibility under various lighting conditions.

Q: Do you provide shipping services?

A: We support multiple shipping methods, and customers can choose the appropriate logistics service according to their needs. All products will undergo strict quality inspection before shipment to ensure that customers receive the products intact.



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