3 inch Capacitive Lcd Touch Screen 268x800 IPS Full Viewing Direction with MIPI Interface

Basic Information

- Brand Name: Chenghao Optoelectronic
- Certification: RoHS CE FCC
- Model Number: CH300FW02A-CT
- 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

- Lcd Type: 3" TFT + CTP
- Display Mode: IPS/Transmissive/Normally Black
- Touch Panel Interface: IIC
- Screen Brightness: 500 Cd/m2 Luminance
- Storage Temperature: -30 ~ +80
- Resolution: 268*800 Dots
- Touch Panel Type: Capacitive
- Operating Temperature: -20 +70℃
- Highlight:
  268x800 LCD Touch Screen,
  3 inch LCD Touch Screen,
  MIPI Interface LCD Touch Screen

More Images

Product Description

Product Description:

The CH300FW02A-CT is a high-performance 3-inch TFT LCD touch screen module designed to meet the needs of a variety of modern electronic devices. This module combines advanced display technology, user-friendly touch functions and flexible application scenarios, and is widely used in multiple fields such as medical, industrial, and consumer electronics.

First of all, the CH300FW02A-CT has a display resolution of 268x800 pixels. This high resolution ensures the clarity of images and texts, allowing users to have a detailed visual experience. In medical equipment, such as portable ultrasound instruments or heart rate monitors, clear displays are essential for doctors and caregivers to make timely and accurate decisions. The module uses IPS (In-Plane Switching) technology, which not only improves color accuracy, but also provides a wide viewing angle, allowing users to maintain consistent image quality no matter from which angle they watch. In terms of brightness, the CH300FW02A-CT has a maximum brightness of 500 cd/m², ensuring clear visibility in strong light environments. This feature makes the module ideal for outdoor applications or use in strong light environments, without the need to worry about blurred vision caused by direct sunlight. In addition, the module's contrast ratio reaches 800:1, further enhancing the visual effect and making the image more vivid and delicate.

CH300FW02A-CT also integrates a capacitive touch panel and supports multi-touch function. Users can slide, zoom and other operations with simple gestures. This intuitive interaction method greatly improves the user experience. The glass thickness of the touch panel is 1.1 mm and the hardness reaches 6H, which provides good scratch resistance and impact resistance, ensuring that the module is not easily damaged in daily use.

In terms of temperature adaptability, the operating temperature range of CH300FW02A-CT is -20 to +70 degrees Celsius, and the storage temperature range is -30 to +80 degrees Celsius. This wide temperature range enables the module to operate stably under various environmental conditions, especially suitable for applications such as industrial automation and outdoor equipment.

In terms of connectivity, CH300FW02A-CT adopts MIPI (Mobile Industry Processor Interface) LCD interface, which is easy to integrate with a variety of processors and controllers. This interface is widely used in modern electronics, ensuring compatibility with other devices and simplifying the design process, allowing developers to integrate the module into their products more quickly.

Chenghao Optoelectronic offers a wide range of customization options for the CH300FW02A-CT, allowing customers to personalize the module according to specific project requirements. This includes the adjustment of backlight brightness, the definition of LCD interfaces, and the design of touch panels. With this flexibility, customers can create the most suitable display solution for their application requirements.
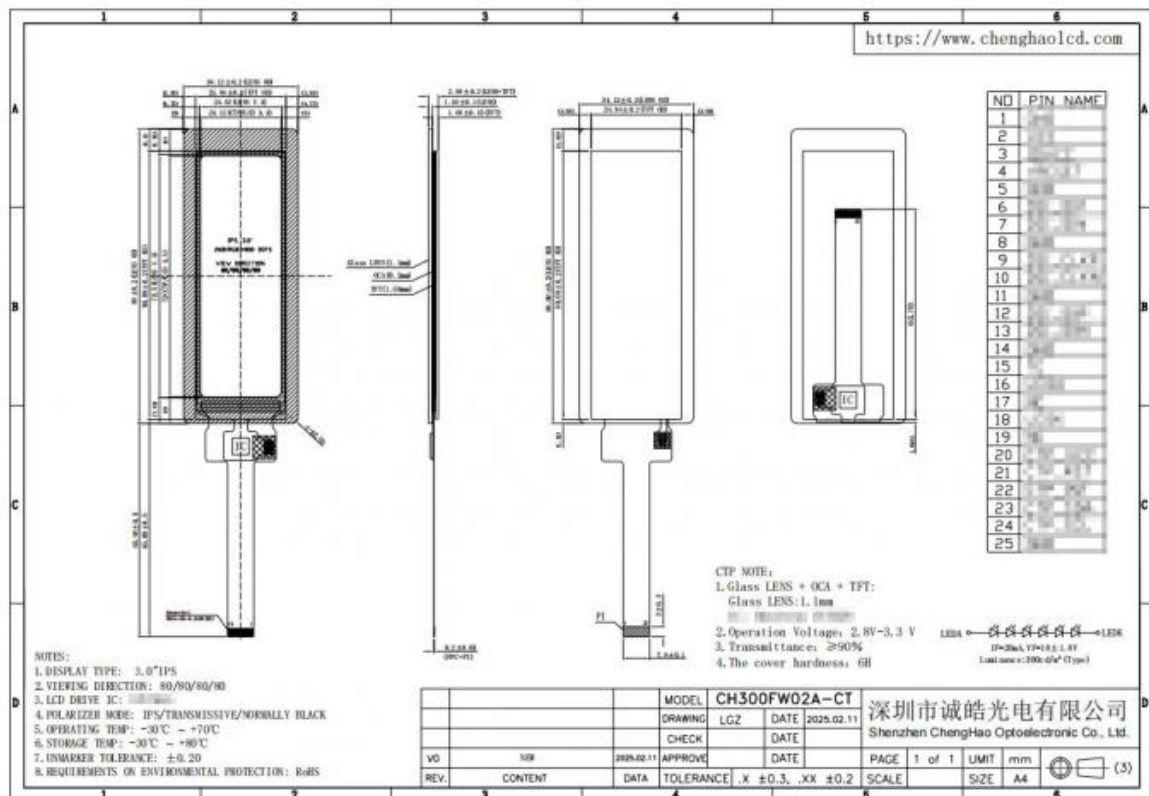

In summary, the CH300FW02A-CT is a multifunctional display module that combines high resolution, high brightness and durability. With its excellent technical parameters and wide application potential, it has become an indispensable display solution in various industries.

Technical Parameters:

Technical Parameter	Value
Storage Temperature	-30 ~ +80
Screen Brightness	500 Cd/m2 Luminance

Resolution	268*800 Dots
Touch Panel Interface	IIC
Lcd Interface	MIPI
Lcd Type	3" TFT + CTP
Touch Panel Type	Capacitive
Display Mode	IPS/Transmissive/Normally Black
Viewing Direction	80/80/80/80
Operating Temperature	-20 +70℃

Customization:

CH300FW02A-CT is a highly flexible 3-inch TFT LCD touch screen module. Chenghao Optoelectronic provides customers with a variety of customization options to meet the specific needs of different industries and applications. The following are the main customization contents of this product, covering multiple aspects from function to appearance.

Module interface customization: CH300FW02A-CT supports customization of multiple interface types. Customers can choose the appropriate interface, such as MIPI interface, according to the requirements of their equipment. This flexibility ensures that the module is compatible with a variety of controllers and processors, simplifies the integration process, and improves design efficiency.

Backlight brightness adjustment: Customers can customize the backlight brightness of the module according to the needs of the actual application environment. The backlight brightness of CH300FW02A-CT can reach up to 500 cd/m², which is suitable for use under different lighting conditions. By adjusting the backlight brightness, customers can ensure clear visual effects even in strong light environments, especially in outdoor applications.

Touch panel design: The touch panel of this module can be customized according to the specific needs of customers. Customers can choose between capacitive or resistive touch solutions and adjust the thickness, hardness and shape of the touch glass according to application requirements. This customization option ensures that the touch panel can meet the usage requirements of specific devices and provide a better user experience.

Functional feature customization: The functions of the CH300FW02A-CT can be customized according to the customer's actual application scenario. For example, customers can request a display module with anti-glare, sunlight readable, wide viewing angle and high resolution. This flexibility enables the module to adapt to a variety of industry needs, such as medical equipment, industrial control and smart home.

Appearance design customization: Customers can customize the appearance of the CH300FW02A-CT according to brand image and product design requirements. Different colors, shapes and sizes can be selected to ensure that the module is coordinated with the overall appearance of its device. This personalized appearance design can enhance the market competitiveness of the product.

Packaging customization: In order to meet the logistics needs of customers, the packaging method of the CH300FW02A-CT can also be customized. Customers can choose different packaging materials and methods to ensure the safety and integrity of the module during transportation. Customized packaging can also include brand logos and product information to enhance the market image of the product.

Small batch customization: Chenghao Optoelectronic supports small batch customization. Customers can choose a smaller minimum order quantity (MOQ) when they need to conduct market testing or small-scale production, which provides customers with greater

flexibility and convenience.

Technical support and consulting: During the customization process, Chenghao Optoelectronic provides a full range of technical support and consulting services. Customers can communicate with the company's engineering team to obtain professional advice and solutions to ensure that the customized module can perfectly meet their application requirements.

Through the above customization options, CH300FW02A-CT demonstrates its flexibility and adaptability as a high-performance display module, which can meet the specific needs of customers in different industries and provide customers with tailor-made solutions. This customization capability not only enhances the market competitiveness of the product, but also provides customers with more choices and opportunities in the fierce market environment.

Support and Services:

In today's competitive market environment, Chenghao Optoelectronic is well aware of the importance of providing excellent support and services for customer satisfaction. For the CH300FW02A-CT, a high-performance 3-inch TFT LCD touch screen module, our company provides customers with a series of comprehensive support and services to ensure that customers get the best experience during use.

First of all, Chenghao Optoelectronic provides one-year product after-sales guarantee service for all customers who purchase CH300FW02A-CT. This means that within one year after purchase, customers can enjoy our technical support and services to ensure that any problems encountered during the use of the product can be solved in a timely manner. This guarantee not only enhances customer confidence, but also reflects our confidence in product quality.

Secondly, if customers encounter any technical problems during the use of CH300FW02A-CT, our professional technical team will provide remote online technical support. This support service is available at any time to ensure that customers can quickly get help when testing or using the product to solve various technical problems that may arise. This timely support can effectively reduce customer downtime and improve product efficiency.

In addition, as a factory-based supplier, Chenghao Optoelectronic has ISO certification, and all products undergo strict quality inspection and testing before leaving the factory to ensure that the performance of each module meets the standards. Our products have also obtained certifications such as CE and RoHS, further proving our commitment to product quality and environmental protection. These certifications not only provide customers with confidence, but also provide assurance of their product compliance.

For any product problems that occur within 30 days of delivery, we are committed to providing customers with replacement services. This policy is designed to ensure that customers can get the greatest satisfaction when using our products and reduce the inconvenience caused by product defects.

Finally, our customer service team always takes customer satisfaction as its primary goal. If customers have any questions or need additional support during use, we encourage them to contact us at any time.

Packing and Shipping:

At Chenghao Optoelectronic, we understand the importance of product safety and integrity during transportation to our customers. Therefore, we have taken a series of strict measures in the packaging and delivery of CH300FW02A-CT to ensure that every module is in the best condition when it reaches our customers.

First of all, all our shipping boxes meet the export hardness standards. This means that our packaging materials are carefully designed and tested to withstand various pressures and shocks during transportation, ensuring that the products are not easily damaged during transportation. The box materials we use have good compression resistance and wear resistance, which can effectively protect the internal products.

Secondly, to further prevent the screen from being damaged during transportation, we fill each box with foam material. This foam filler not only absorbs impact, but also fixes the product position to prevent it from moving during transportation, thereby reducing the potential risk of damage. In this way, we ensure the safety of CH300FW02A-CT during transportation.

In terms of packaging, we use the "big box in small box" method for packaging. This method not only saves space, but also effectively improves transportation efficiency. The weight of each small box does not exceed 3.5 kg, which is convenient for handling and loading and unloading, and also meets the standard requirements of international transportation. We also provide customized packaging solutions according to the specific needs of customers to meet the logistics requirements of different customers.

In addition, we use pallets or wooden frames to load goods when shipping to ensure stability during transportation. This loading method can effectively prevent the goods from tilting or collapsing during transportation, further improving the safety of transportation. We have long-term cooperative relations with many express logistics companies. With our large-scale export volume, these express companies can provide us with preferential transportation costs and high-quality services.

Before shipping, we will conduct strict inspections and tests on all goods to ensure that each CH300FW02A-CT module meets quality standards before leaving the factory. We can also provide relevant certification documents such as RoHS and CE certifications according to customer requirements to ensure that customers can meet relevant regulatory requirements when using the products.

Finally, our goal is to ensure that customers can get the best experience when they receive the products. We pay attention to every detail, from packaging to transportation, and strive to be perfect. Through these strict packaging and delivery measures, Chenghao Optoelectronic is committed to providing customers with safe and reliable logistics services, so that every customer can use our products with confidence

FAQ:

Q: What is the brand name of this Small LCD Touch Screen product?
A: The brand name of this product is Chenghao Optoelectronic.
Q: What is the model number of this Small LCD Touch Screen?
A: The model number of this product is CH300FW02A-CT.
Q: What certifications does this Small LCD Touch Screen have?
A: This product is certified with RoHS, CE, and FCC.
Q: What is the minimum order quantity for this Small LCD Touch Screen?
A: The minimum order quantity for this product is 100 pieces.
Q: What are the packaging details for this Small LCD Touch Screen?
A: All products are packed in the right way to keep them safe. For small sizes, we use tray + carton, and for bigger sizes, we use foam slot + carton. We also design packages according to customers' requirements.