7 Inch Capacitive Touch Lcd Display 1024*600 For -20 ~ +70 Wide-temp

Our Product Introduction

Basic Information

- Brand Name: Chenghao Optoelectronic
- Certification: CE 、 RoHS、FCC
- Model Number: CH700WS02A-CTA
- 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 Or Others
- Supply Ability: 50000000 Pcs/month

Product Specification

- Contrast: 80/80/80/80
- Display Type: 7" TFT + CTP
- Storage Temperature: -30 ~ +80
- Color: 16 M
- Luminance: 300 Cd/m2
- Operating Temperature: -20 ~ +70
- Display Mode: IPS/Transmissive/Normally Black
- Viewing Area Size: 155.08*86.92 Mm
- Highlight: **7 inch LCD display module**, **capacitive touch LCD screen**, **wide-temperature LCD display 1024x600**

More Images

Product Description

Product Description:

The CH700WS02A-CTA is an advanced 7-inch TFT LCD display module designed to meet the diverse needs of a wide range of industries. Manufactured by Chenghao Optoelectronics, the module is ideal for applications such as industrial control and consumer electronics.

The heart of the CH700WS02A-CTA lies in its high resolution of up to 1024x600 pixels, ensuring that images and text are displayed with excellent clarity and detail. In addition, the module also uses IPS (In-Plane Switching) technology to provide a wide viewing angle of 80 degrees in all directions, further enhancing the high resolution. This feature is particularly useful in environments where multiple users need to view the display at the same time, as it can maintain consistent color and brightness levels from all angles.

The module has a brightness of 300 cd/m, which can meet the normal use needs indoors or in low-light environments. In addition, the CH700WS02A-CTA supports a color depth of 16 million colors, providing vivid and lifelike visuals to enhance user engagement. The CH700WS02A-CTA is equipped with a capacitive touch screen for intuitive user interaction. The touch screen operates from 2.8V to 3.3V, ensuring compatibility with a wide range of devices. With a high light transmittance of ≥87%, the touch screen provides sensitive touch functionality while maintaining excellent visibility.

The CH700WS02A-CTA has a compact design with dimensions of 164.9mm x 100mm x 5.28mm, making it easy to integrate into a variety of devices without taking up too much space. The module is also able to withstand a wide operating temperature range of -20 to +70°C, ensuring reliable operation even in harsh environments. All in all, the CH700WS02A-CTA display module is a versatile and high-performance solution that meets the needs of a wide range of industries. It combines high resolution, wide viewing angle, vivid color reproduction, and durable design, making it an ideal choice for applications such as industrial automation, medical equipment, and smart home systems.

Features:

(1)Display size: CH700WS02A-CTA is equipped with a compact 7-inch display, suitable for various space-constrained applications.
(2)Resolution: Its resolution is up to 1024x600 pixels, which can provide clear and sharp images and enhance the viewing experience.
(3)IPS technology: The module adopts IPS (in-plane switching) technology to achieve a wide viewing angle of 80 degrees in all directions, ensuring consistent image quality from different angles.
(4)Color depth: CH700WS02A-CTA supports a color depth of 16 million colors, providing vivid and dynamic visual effects to enhance user engagement.
(5)Capacitive touch screen: The module is equipped with a capacitive touch screen, which can achieve intuitive touch interaction and enhance user interface functions.
(6)Touch screen voltage: The touch screen operating voltage range is 2.8V to 3.3V, which is compatible with a variety of electronic devices.
(7)High light transmittance: The touch screen has a light transmittance of ≥87%, which maintains display clarity while providing sensitive touch functions.
(8)Compact Size: The overall size of the module is 164.9mm x 100mm x 5.28mm, which can be easily integrated into various devices without taking up too much space.
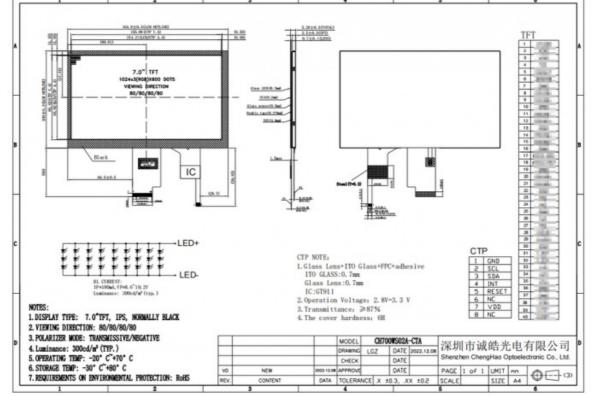(9)Operating Temperature Range: The CH700WS02A-CTA can effectively operate in a temperature range of -20 to +70 degrees Celsius, suitable for a variety of environmental conditions.
(10)Customization Options: Chenghao Optoelectronics provides module customization capabilities, allowing modifications based on specific project needs, such as adjusting backlight brightness and defining LCD interfaces.

Technical Parameters:

Display Type	7" TFT + CTP
Viewing Direction	80/80/80/80
Color	16 M

Storage Temperature	-30 ~ +80
Luminance	300 Cd/m2
Operating Temperature	-20 ~ +70
Display Mode	IPS/Transmissive/Normally Black
Contrast	80/80/80/80
Module Size	164.9*100*5.287 Mm
Active Area Size	154.21*85.92 Mm

Customization:

The CH700WS02A-CTA display module offers a range of customization options to meet the specific needs of a variety of applications and industries. Chenghao Optoelectronics understands that different projects may require tailored solutions and therefore offers a variety of customization options.

FPC Design: One of the main customization options is the redesign of the flexible printed circuit (FPC). This allows customers to modify the shape and structure of the FPC to ensure it fits the device perfectly. This flexibility is critical for projects with special space constraints or specific mounting requirements.

Backlight Brightness: Customers can also customize the backlight brightness of the CH700WS02A-CTA. The standard brightness is 300 cd/m², but it can be adjusted based on visibility in specific environments. For example, for outdoor applications where readability in sunlight is critical, higher brightness may be required.

Interface Customization: The module supports a variety of interface types, including SPI, MCU, RGB, MIPI, LVDS, and HDMI. Customers can specify their preferred interface based on device requirements, ensuring seamless integration with existing systems.

Touch Panel Solutions: For applications that require touch interaction, Chenghao offers two touch panel solutions: capacitive and resistive. Customers can choose the most appropriate type for their needs, whether they need the sensitivity of capacitive touch or the durability of resistive touch.

Glass Thickness and Hardness: Customization options extend to the touch glass cover, where customers can specify thickness and hardness to meet the durability requirements of specific applications. This is especially important for devices used in harsh environments.

Support and Services:

Chenghao Optoelectronics is committed to providing excellent support and service for the CH700WS02A-CTA display module, ensuring that customers have a seamless experience from initial consultation to after-sales support. Our commitment to customer satisfaction is reflected in several key areas.

First, pre-sales support is an important part of the service. Potential customers can request samples of the CH700WS02A-CTA to evaluate its performance and its compatibility with their application. This allows customers to make an informed decision before placing an order, thereby minimizing the risk of new product integration.

After the customer purchases, Chenghao Optoelectronics will provide comprehensive technical support, including installation program guidance, integration tips and troubleshooting assistance to ensure that customers can effectively use the display module in their specific applications. The technical team is always ready to answer any questions or concerns, ensuring that users can maximize the functionality

of the module.

In addition, the company focuses on quality assurance throughout the production process. The CH700WS02A-CTA is rigorously tested and meets industry standards, ensuring that customers receive a reliable and high-quality product. For any problems that arise after purchase, Chenghao Optoelectronics provides 13 months of after-sales support services to efficiently resolve problems.

Chenghao Optoelectronics values customer feedback and encourages open communication. We invite customers to share their usage experiences and suggestions, which helps the company continuously improve its products and services. This feedback loop not only improves customer satisfaction, but also drives innovation within the organization.

Finally, the company also provides customization services to meet specific project needs. This includes modifying the design, interface and functionality of the display module, allowing customers to achieve their desired specifications without compromising quality.

All in all, the support and service of the CH700WS02A-CTA display module reflects Chenghao Optoelectronics' commitment to customer satisfaction. From pre-sales assistance and technical support to quality assurance and customization options, the company is committed to providing a comprehensive service experience to meet the diverse needs of customers.

FAQ:

Q: What is the brand name of the LCD Display Module?
A: The brand name is Chenghao Optoelectronic.

Q: What is the model number of the LCD Display Module?
A: The model number is CH700WS02A-CTA.

Q: What certifications does the LCD Display Module have?
A: The LCD Display Module is certified with CE, RoHS, and FCC.

Q: What is the minimum order quantity for t0000000000000000e LCD Display Module?
A: The minimum order quantity is 100 pieces.

Q: What are the packaging details for the LCD Display Module?
A: 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.