7 Inch RGB TFT LCD Display 40pins RGB Interface With 800*480 Pixels
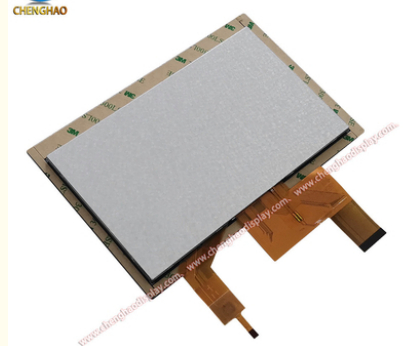
Basic Information

- Brand Name: Chenghao Optoelectronic
- Certification: CE, ISO9001, Rose, SGS
- Model Number: CH700WV03A-CTBA
- 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: T/T,AliPay,PayPal
- Supply Ability: 50000000 Pcs/month

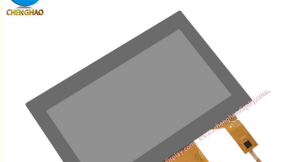

Product Specification

- Touch Type: Capacitive
- Display Mode: TN/Transmissive/Normally White
- Operating Temperature: -20 ~ +70℃
- Luminance: 300 Cd/m2
- Number Of Dots: 800x480
- Storage Temperature: -30 ~ +80℃
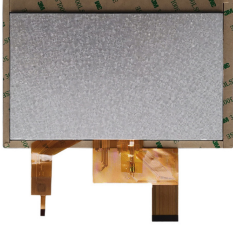- Viewing Area Size: 155.28 * 87.12 Mm
- Viewing Direction: 12 O'clock

More Images

Product Description:

CH700WV03A-CTBA is a powerful 7-inch capacitive touch LCD display module designed to meet the diverse needs of modern electronic devices. The module is manufactured by Shenzhen Chenghao Optoelectronics Technology Co., Ltd., which has been focusing on the research and development, production and sales of small and medium-sized display modules since its establishment in 2016. With its excellent technology and strict quality management, CH700WV03A-CTBA has won a good reputation in the market.

Appearance and size
The appearance design of CH700WV03A-CTBA is very modern, with dimensions of 180mm x 119mm x 5.27mm and a thickness of only 5.27mm, which is easy to integrate into various devices. Its visible area is 164.9mm x 100mm and the active area is 154.08mm x 85.92mm. This design not only optimizes space utilization, but also enhances the user's visual experience.

Display performance
The module adopts advanced TFT LCD technology and provides a high resolution of 800x480, ensuring the clarity and fineness of the image. It supports 16.7M color display, which can present rich colors and is suitable for various application scenarios. The display mode is TN (transfer type), which has good color reproduction ability and can maintain excellent visual effects at multiple viewing angles.

Touch technologyCH700WV03A-CTBA is equipped with a capacitive touch panel and supports multi-touch, allowing users to perform various operations through simple gestures. This touch technology not only enhances the interactive experience, but also makes the operation more intuitive and convenient. The thickness of the touch panel is 0.7mm and has a transmittance of ≥87%, ensuring a good display effect.

Environmental adaptability
The module has excellent environmental adaptability, with an operating temperature range of -20℃ to +70℃ and a storage temperature of -30℃ to +80℃, enabling it to operate stably in a variety of extreme environments. This temperature adaptability ensures the reliability of CH700WV03A-CTBA in a variety of application scenarios such as industrial control, smart home and medical equipment.

Features:

High-resolution display: With a resolution of 800x480, it ensures clear and delicate images.

2. 7-inch portable design: Suitable for a variety of devices, easy to integrate and portable use.

3. Capacitive touch screen: Supports sensitive multi-touch to enhance user interaction experience.

4. Rich color performance: Supports 16.7M color display to ensure vivid and bright visual effects.

5. Temperature resistance: Wide operating temperature range, suitable for environments from -20℃ to +70℃.

6. Thin and light design: The module thickness is only 5.27mm, which facilitates lightweight design of equipment.

7. High light transmittance: The touch glass transmittance is ≥87%, ensuring good display effects.

8. Flexible customization options: Supports customization of module shape, interface type and function to meet specific needs.

Technical Parameters:

Lcd Type	7" TFT + CTP
Touch Type	Capacitive
Lcd Interface	RGB
Operating Temperature	-20 ~ +70℃

Module Size	180 * 119 * 5.27 Mm
Storage Temperature	-30 ~ +80℃
Number of Dots	800x480
Display Mode	TN/Transmissive/Normally White
Viewing Direction	12 O'clock
Viewing Area Size	155.28 * 87.12 Mm

Applications:

The CH700WV03A-CTBA display module is widely used in multiple industries and fields due to its excellent performance and flexible design. The following are the main application scenarios of this product:

1. Smart home control

In smart home systems, the CH700WV03A-CTBA can be used as a control panel, allowing users to easily manage home devices such as lighting, temperature control and security systems through a touch interface. This intuitive operation method improves the convenience of home life.

2. Medical instruments

The module is ideal for medical equipment such as portable ultrasound instruments and monitoring equipment. Its high resolution and excellent environmental adaptability ensure stable and reliable display of important data in medical environments.

3. Industrial automation

In industrial automation equipment, the CH700WV03A-CTBA can be used for human-machine interface (HMI) to provide real-time data monitoring and equipment control. Its high temperature resistance and anti-interference characteristics make it perform well in complex industrial environments.

4. Education and training equipment

In the education industry, the module can be used in interactive learning platforms, supporting multi-touch functions to promote interaction between teachers and students. Enhance learning through vivid visual displays.

5. In-vehicle systems

In automotive electronics, CH700WV03A-CTBA can be used as a display for navigation and infotainment systems. Its temperature resistance and clear visual effects enable it to provide reliable display under various driving conditions.

6. IoT devices

With the development of IoT technology, this module can connect with various sensors and devices, display data in real time, support intelligent decision-making and automated operations, and is suitable for scenarios such as smart cities and smart agriculture.

7. Consumer electronics

CH700WV03A-CTBA is also widely used in tablets, smartphones and other consumer electronics products to meet the market demand for high-quality displays.

8. Instruments

In the field of instruments, this module can be used as a data display screen to provide real-time monitoring and data reading, and is suitable for environmental monitoring, meteorological instruments and other fields.

Through these applications, CH700WV03A-CTBA demonstrates its wide applicability and flexibility, which can meet the diverse needs of different industries for display modules and help the successful implementation of various projects.

Packing and Shipping:

In terms of packaging and delivery, the CH700WV03A-CTBA display module adopts a strict standard process to ensure the safety and integrity of the product during transportation. The following are the specific packaging and delivery instructions for this product:

1. Packaging materials

CH700WV03A-CTBA is packaged with high-quality shockproof materials, usually foam plastics and bubble bags, to effectively prevent collisions and vibrations during transportation. In addition, the outer packaging box uses a sturdy carton to ensure additional protection during long-distance transportation.

2. Packaging design

Each display module will be individually packaged and marked with the product model and quantity to ensure that it is clearly identifiable during the logistics process. The internal design of the packaging takes into account the size and shape of the module to minimize the moving space and thus reduce the risk of damage.

3. Shipping process

Before shipment, Chenghao Optoelectronics will conduct strict quality inspections to ensure that each module meets the standards when it leaves the factory. When shipping, the products will be sorted according to the order requirements to ensure that customer needs are met in a timely and accurate manner.

4. Shipping options

Chenghao Optoelectronics provides a variety of shipping options, including land, air and sea. Customers can choose the appropriate logistics solution according to their needs. We work with many well-known logistics companies to ensure that delivery can be completed within a reasonable time.

5. Tracking service

After the product is shipped, customers will receive the corresponding shipping tracking information and be able to monitor the shipping status of the package in real time. This service is designed to improve customer satisfaction and ensure that customers can obtain cargo information in a timely manner.

6. Customs and customs clearance support

For international shipments, Chenghao Optoelectronics provides the necessary customs documents and customs clearance support to ensure that the product can pass customs smoothly and avoid unnecessary delays.

7. After-sales tracking

After the product is successfully delivered, Chenghao Optoelectronics' customer service team will conduct after-sales tracking to confirm whether the customer has received the complete product and ask about the usage so as to solve possible problems in a timely manner. Through the above packaging and shipping process, Chenghao Optoelectronics ensures that the CH700WV03A-CTBA LCD display module can be delivered to customers safely and promptly to meet their needs in various applications.

FAQ:

Q: What is the brand name of this TFT LCD Display product?
A: The brand name is Chenghao Optoelectronic.
Q: What is the model number of this TFT LCD Display?
A: The model number is CH700WV03A-CTBA.
Q: What certifications does this TFT LCD Display product have?
A: This product is certified with CE, ISO9001, Rose, and SGS.
Q: What is the minimum order quantity for this TFT LCD Display?
A: The minimum order quantity is 100 pieces.
Q: What are the available payment terms for purchasing this TFT LCD Display?
A: The available payment terms are T/T, AliPay, and PayPal.