Industrial TFT LCD Capacitive Touchscreen 1024x600 Dots 7 Inch 16M Color TFT Module

Our Product Introduction

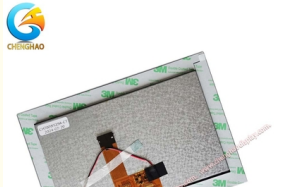
Basic Information

- Place of Origin: China Shenzhen
- Brand Name: Chenghao Optoelectronic
- Certification: CE RoHS FCC
- Model Number: CH700WS19A-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

- Product Name: Industrial TFT LCD Capacitive Touchscreen
- Storage Temperature: -30 ~ +80℃
- Touch Panel Transmittance: ≥87%
- Display Mode: IPS / Transmissive / Normally Black
- Touch Panel Thickness: 1.25 Mm
- Contrast: 800:1
- Active Area Size: 154.21x85.82 Mm
- Backlight Type: 27 White LED
- Touch Panel Operating Voltage: 2.8~3.3 V
- Highlight: **1024x600 Dots TFT LCD Capacitive Touchscreen** , **16M Color TFT LCD Capacitive Touchscreen** ,

More Images



Our Product Introduction

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Product Description

Product Description:

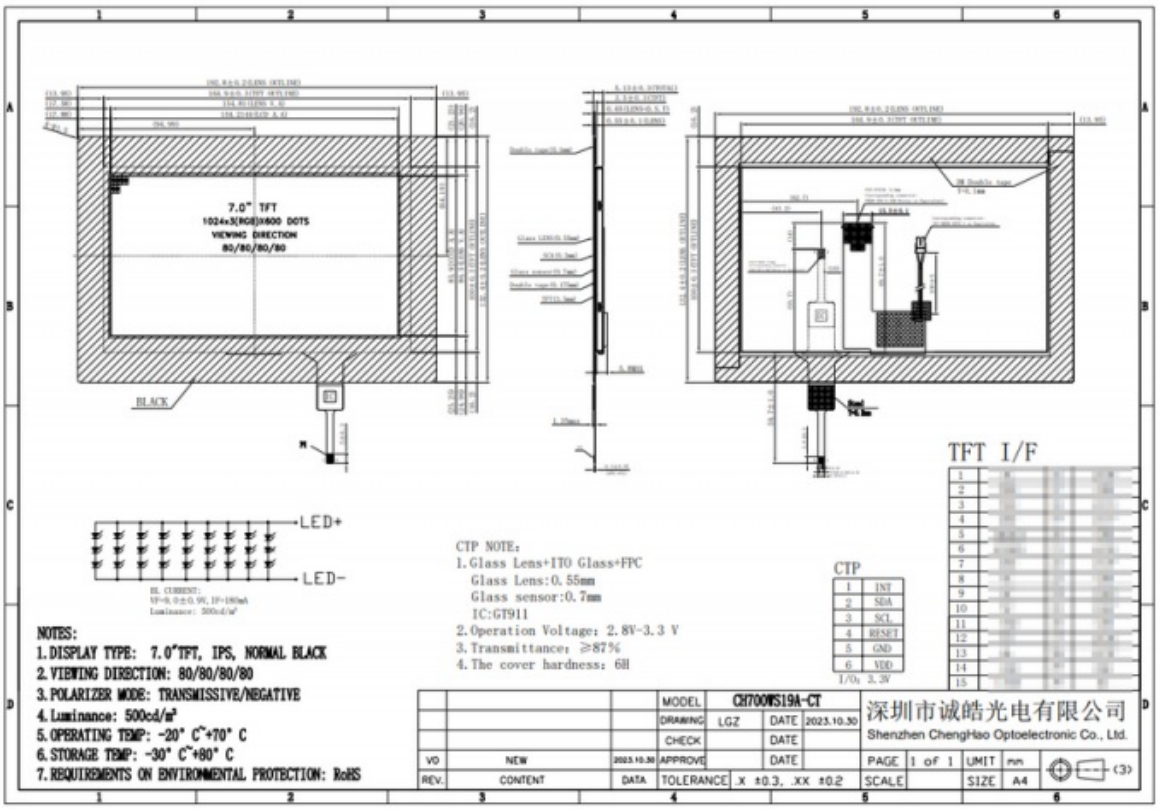
CH700WS19A-CT is a high-brightness 7-inch TFT LCD display module with a resolution of 1024x600 pixels. It uses IPS technology and supports full-viewing angle viewing. The module has an overall size of 192.8x132.4x5.13 mm, a display area of 154.81x86.5 mm, and an active area of 154.21x85.82 mm, ensuring a good visual experience. The module includes a TFT LCD panel, a touch panel, a driver IC, a backlight, and an FPC, with excellent display effects and touch response capabilities. Its operating temperature range is -20 to +70°C and its storage temperature is -30 to +80°C, making it suitable for various industrial applications. The module supports customization with a minimum order quantity of 100 pieces, and samples are available to meet the needs of different customers.

Features:

The product features of CH700WS19A-CT are as follows:
(1)Display technology: It adopts high-brightness 7-inch TFT LCD display technology with a resolution of 1024x600 pixels and a display mode of IPS/transmissive/normally black, providing excellent color performance and wide viewing angle.
(2)Brightness: The module brightness can reach 1000 cd/m², with good sunlight readability, suitable for use in strong light environments.
(3)Touch function: Equipped with a capacitive touch panel, it supports multi-touch and enhances the human-computer interaction experience.
(4)Size and appearance: The module size is 192.8x132.4x5.13 mm, the active area is 154.21x85.82 mm, and the design is compact, which is easy to integrate into various devices.
(5)Temperature adaptability: It can operate stably in a wide temperature environment of -20 to +70°C, and the storage temperature range is -30 to +80°C, which is suitable for a variety of industrial applications.
(6)Customization and sample support: Customization is supported, with a minimum order quantity of 100 pieces, and samples can be provided to meet the needs of different customers.

Technical Parameters:

tft lcd module	tft lcd color monitor
Resolution	1024x600 Dots
Storage Temperature	-30 ~ +80°C
Touch Panel Type	IIC
Viewing Direction	80/80/80/80
Color	16.7M
Touch panel Transmittance	≥87%
Display Mode	IPS / Transmissive / Normally Black
Contrast	800:1
Operating Temperature	-20 ~ +70°C
Touch panel operating voltage	2.8~3.3 V
touch tft displays	



Applications:

The application field of CH700WS19A-CT is very wide, suitable for multiple industries and application scenarios. The following are some of the main areas where this product can be applied:

Industrial control: Due to its high brightness and wide temperature adaptability, CH700WS19A-CT is very suitable for use in industrial control systems, such as monitoring and operation interfaces, and can provide clear display effects under various environmental conditions.

Smart home: This module can be used for the display interface of smart home devices, such as smart refrigerators, coffee machines, and kitchen equipment, etc., to enhance user experience and interactivity.

Medical equipment: In the field of medical equipment, CH700WS19A-CT can be used in equipment such as heart rate monitors and forehead thermometers to provide real-time data and graphical displays to help medical staff make quick decisions.

Instrumentation: This module is suitable for the display of various instruments and meters, such as detectors and monitors, and can clearly display measurement data and status information.

In-vehicle applications: CH700WS19A-CT can be widely used in in-vehicle equipment, such as navigation displays, in-vehicle central control displays, etc., to meet the needs of information display during driving.

Artificial Intelligence and IoT Devices: This module is also suitable for artificial intelligence devices and IoT applications, such as smart robots and various smart terminals, providing intuitive user interfaces and interactive functions.

Security Identification Devices: In the field of security identification, CH700WS19A-CT can be used in devices such as smart access control systems and card punchers, providing clear operation interfaces and feedback.

Payment and Financial Devices: This module is suitable for payment terminal devices such as POS machines, card readers and cash registers, which can effectively enhance the user's payment experience.

In summary, CH700WS19A-CT, with its excellent display performance and wide adaptability, can meet the needs of multiple industries and become an important part of various types of equipment.

Customization:

The customization introduction of CH700WS19A-CT covers many aspects to meet the specific needs of different customers. The following are the main customization options of this product:
FPC shape and structure adjustment: Customers can customize the shape and structure of the module according to their own equipment requirements, including the design of FPC (flexible printed circuit) to better adapt to specific installation environments and space constraints.
Backlight brightness adjustment: CH700WS19A-CT supports adjusting the backlight brightness according to customer requirements. This feature enables the module to provide optimal visual effects under different lighting conditions, especially suitable for direct sunlight environments.
LCD interface definition: Customers can customize the LCD interface to ensure compatibility with their control system. This flexibility enables the module to seamlessly connect with a variety of devices and systems.
Touch panel design: CH700WS19A-CT allows customers to design customized touch panels to meet specific operating requirements and user experience.

With these customization options, CH700WS19A-CT can meet the needs of a wide range of application fields, including industrial control, smart home, medical equipment, etc., fully demonstrating its adaptability and flexibility.

FAQ:

Q: What is the brand name of this product?
A: The brand name of this product is Chenghao Optoelectronic.
Q: What is the model number of this product?
A: The model number of this product is CH700WS19A-CT.
Q: Where is this product made?
A: This product is made in China, specifically in Shenzhen.
Q: Does this product have any certifications?
A: Yes, this product has CE, RoHS, and FCC certifications.
Q: How is this product packaged?
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.
Q: What is the delivery time for this product?
A: The delivery time for this product is 3~7 days.
Q: What are the payment terms for this product?
A: The payment terms for this product are TT or others.
Q: What is the supply ability for this product?
A: The supply ability for this product is 20000000 pcs/month.

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