7 Inch IPS LCD Display 1024x600 Resolution 30 Pins FPC With Pcapa Touch
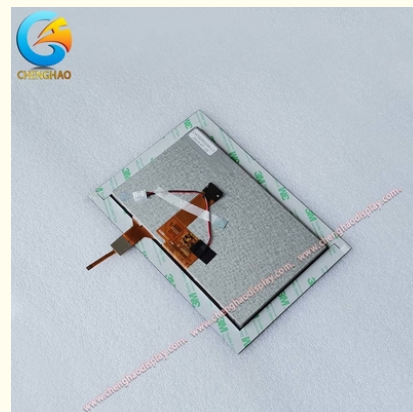
Our Product Introduction

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: 1024x600 IPS LCD Display
- Backlight Brightness: 500 Cd/m2
- Storage Temperature: -30 ~ +80℃
- Touch Panel Type: IIC
- Touch Panel Operating Voltage: 2.8~3.3 V
- Touch Panel Cover Hardness: 6H
- Touch Panel Thickness: 1.25 Mm
- Active Area Size: 154.21x85.82 Mm
- Operating Temperature: -20 ~ +70℃
- Highlight:
  7 Inch IPS LCD Display ,
  1024x600 IPS LCD Display ,
  30 Pins IPS LCD Display

More Images

Product Description

Product Description:

The CH700WS19A-CT is a high-brightness 7-inch TFT LCD display module with a resolution of 1024x600 pixels, using IPS technology and supporting full-viewing angle viewing. The module has an overall size of 192.8x132.4x5.13 mm and an active area of 154.21x85.82 mm, ensuring a good visual experience. The CH700WS19A-CT is equipped with a capacitive touch panel and supports multi-touch, which enhances the convenience of human-computer interaction. Its brightness can reach 500 cd/m², with good sunlight readability, suitable for use in strong light environments.

The module has an operating temperature range of -20 to +70°C and a storage temperature of -30 to +80°C, making it suitable for a variety of industrial applications. In addition, the CH700WS19A-CT supports customization with a minimum order quantity of 100 pieces, and samples are available to meet the needs of different customers. With its excellent performance and flexible adaptability, CH700WS19A-CT is widely used in many fields such as industrial control, smart home, medical equipment, etc., becoming an important choice of modern display technology.

Features:

CH133FH01A is a high-performance LCD display module with many notable features, suitable for various application scenarios. The following are the main features of this product:

Display technology: CH133FH01A adopts IPS (In-Plane Switching) technology, providing excellent color reproduction and wide viewing angle experience, ensuring that users can get clear visual effects at different angles.

Resolution and brightness: The module has a resolution of 1024x600 pixels and a brightness of up to 500 cd/m², which can maintain good readability in a variety of lighting conditions and is suitable for use in direct sunlight.

Touch function: CH133FH01A is equipped with a capacitive touch panel and supports multi-touch, which improves the convenience of human-computer interaction and is suitable for devices that require touch operation.

Temperature adaptability: The module has a wide operating temperature range and can operate stably in an environment of -20 to +70°C, and a storage temperature range of -30 to +80°C, making it suitable for a variety of industrial and outdoor applications.

Customization options: CH133FH01A supports a variety of customization services, including modification of FPC shape and structure, adjustment of backlight brightness, definition of LCD interface, and design of touch panel to meet customers' specific needs.

In summary, CH133FH01A has become an important choice in modern display technology with its excellent display performance, flexible customization options and wide application fields.
View Source

Technical Parameters:

Product Attribute	Value
Product Name	Thin-Film-Transistor LCD Capacitive Touchscreen
Module Size	192.8x132.4x5.13 mm
Contrast	800:1
Touch panel cover hardness	6H
Touch panel transmittance	≥87%
Resolution	1024x600 dots
Touch Panel Type	IIC
Touch Panel Thickness	1.25 mm
Operating Temperature	-20 ~ +70℃
Color	16.7M
Active Area Size	154.21x85.82 mm
Touch Panel Type	Thin-Film-Transistor Capacitive Touch Panel

Applications:

CH133FH01A LCD module is widely used in many industries and fields due to its excellent performance and flexible adaptability. The following are the main application scenarios of this product:

Industrial control: CH133FH01A can operate stably in a wide temperature environment of -20 to +70℃, and is suitable for monitoring and operation interfaces in industrial control systems. Its high brightness and clear display effect enable operators to accurately read information under various lighting conditions.

Smart home: This module can be used in smart home devices such as smart refrigerators, smart home control centers, etc., providing an intuitive user interface and enhancing the user's interactive experience.

Medical equipment: In the field of medical equipment, CH133FH01A can be applied to the display interface of heart rate monitors and medical instruments, providing real-time data and graphic display to help medical staff make quick decisions.

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

Artificial Intelligence and IoT Devices: CH133FH01A 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 to support the development of modern technology.

In-vehicle applications: The module can be widely used in in-vehicle devices, such as navigation display, in-vehicle central control display, etc., to meet the demand for information display during driving.

Through these application scenarios, CH133FH01A demonstrates its adaptability and flexibility in different fields, becoming an important part of modern display technology. Its customization options also enable the product to be adjusted according to the specific needs of

customers, further broadening the scope of application.

Customization:

The customization of CH700WS19A-CT covers multiple aspects to meet the specific needs of different customers. The following are the main customization contents of this product:

(1) FPC design: Customers can redesign the shape and structure of the FPC (flexible printed circuit) according to their project requirements to ensure that it fits the installation equipment perfectly. This flexibility enables CH700WS19A-CT to be used in a variety of devices, providing better compatibility and installation convenience.
(2) Backlight brightness adjustment: CH700WS19A-CT supports backlight brightness adjustment according to customer requirements. Customers can choose the appropriate brightness to meet the visual needs in different environments. The maximum brightness can reach 2800 cd/m², which is particularly suitable for occasions with direct sunlight.
(3) Module interface customization: The interface type of this display module can be defined according to the specific requirements of the customer. The supported interface types include SPI, MCU, RGB, MIPI, LVDS, HDMI, etc., which provides customers with great flexibility to ensure compatibility with their control system.
(4) Touch panel design: CH700WS19A-CT provides two touch solutions, namely capacitive touch and resistive touch. Customers can choose the appropriate touch technology based on their application requirements and customize the design of the touch panel, including glass thickness, hardness, etc., to meet specific operating requirements.
(5) Sample support: To help customers better evaluate product performance, CH700WS19A-CT supports the provision of samples. This enables customers to test and verify in actual applications to ensure that the product meets their needs.
Through 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 [2][5].

FAQ:

Q1: What is the brand name of this product?
A1: The brand name of this product is Chenghao Optoelectronic.
Q2: What is the model number of this product?
A2: The model number of this product is CH700WS19A-CT.
Q3: Where is this product manufactured?
A3: This product is manufactured in China, specifically in Shenzhen.
Q4: What certifications does this product have?
A4: This product has the following certifications: CE, RoHS, and FCC.
Q5: What is the delivery time for this product?
A5: The delivery time for this product is usually between 3 to 7 days.