

Sunlight Readable Touchscreen 7 Inch IPS TFT 1024x600 Wide-temp Display

Our Product Introduction

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Basic Information

- Brand Name: Chenghao Optoelectronic
- Certification: CE、RoHS、FCC
- Model Number: CH700WS17F-CTG
- 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

- Storage Temperature: -30 - +80 (-40 - +90 Optional)
- Operating Temperature: -20 - +70 (-30 - +80 Optional)
- Backlight Type: White LED
- Contrast: 800:1
- FPC Pin Number: 40 Pins (Supports Custom Design Of Shape/structure, Etc.)
- Lcd Interface: RGB (HDMI/SPI/MCU/RGB/LVDS/MIPI... (Optional))
- Module Type: 7" IPS TFT + CTP
- Number Of Dots: 1024x600 Dots
- Highlight: 7 inch sunlight readable touchscreen, IPS TFT wide-temp display, 1024x600 LCD display module



More Images





Product Description

Product Description:



The CH700WS17F-CTG is a highly versatile 7-inch IPS TFT-LCD display module, engineered to excel in a variety of applications demanding high-quality visual outputs. With compact dimensions of 190x121x8.35 mm, this display module is designed for easy integration into various devices, providing a perfect fit for space-constrained environments.

Featuring a resolution of 1024x600 pixels, the CH700WS17F-CTG ensures sharp and vibrant imagery, making it ideal for applications that require detailed visuals. Its IPS technology allows for wide viewing angles of 80 degrees, ensuring that colors remain consistent and vivid from various perspectives. This attribute is particularly beneficial in settings where multiple users need to view the display simultaneously. The display module is equipped with a capacitive touch panel, which provides a highly responsive user interface. This touch technology enhances user interaction, making it suitable for applications like kiosks, smart devices, and industrial controls where intuitive navigation is essential.

Designed to perform reliably in a wide operational temperature range of -20 to +70 degrees Celsius, the CH700WS17F-CTG is well-suited for both indoor and outdoor environments. This temperature resilience ensures dependable operation, even under harsh conditions, making it suitable for industrial and automotive applications. The module communicates via an RGB interface, facilitating efficient data transmission and compatibility with a variety of electronic systems. This flexibility ensures that the CH700WS17F-CTG can easily integrate into existing setups or new designs, making it a prime choice for manufacturers looking for a reliable and adaptable display solution.

In summary, the CH700WS17F-CTG combines compact design, excellent resolution, impressive viewing angles, responsive touch capabilities, and robust environmental specifications, making it an ideal display module for numerous applications.



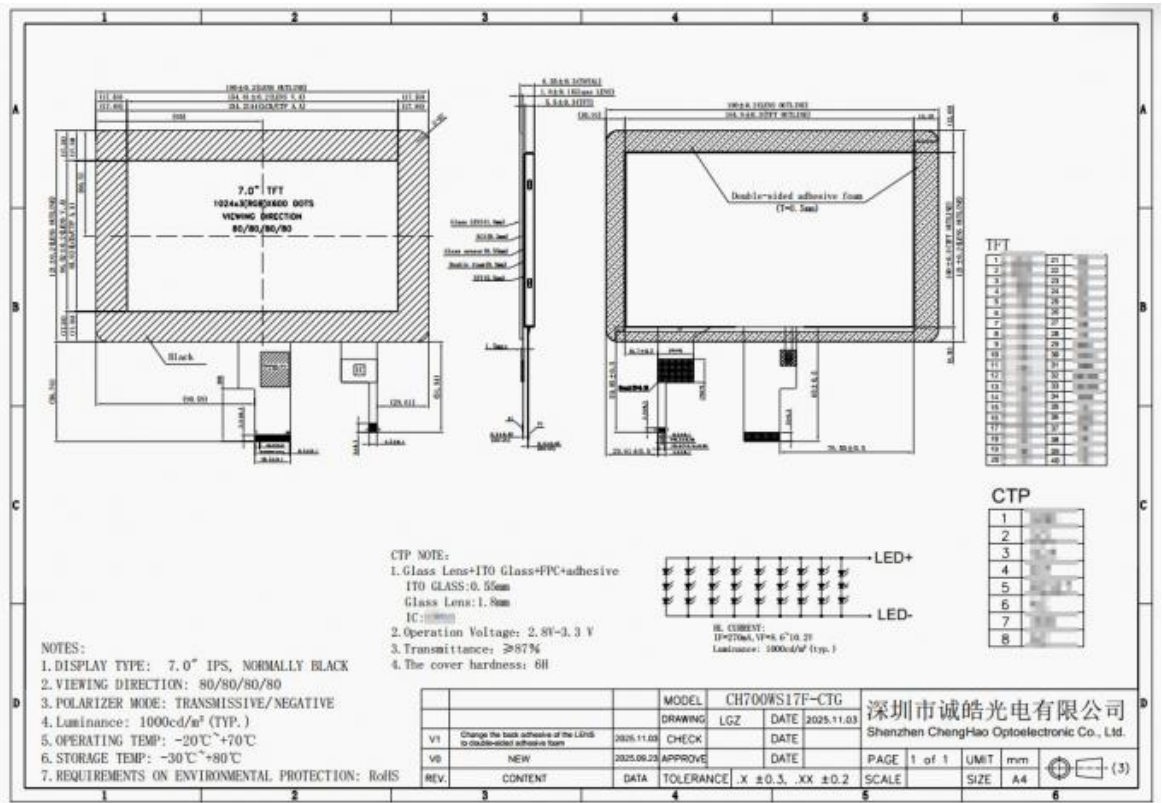
Features:

- Product Name: LCD Display Module
- Active Area Size: 154.21 x 85.92 mm
- Display Mode: IPS / Transmissive / Normally Black
- Glass Cover Thickness: 1.8 mm (Supports customized designs for thickness, shape, etc.)
- Operating Temperature: -20 to +70 (Optional -30 to +80)
- Warranty: 13 months
- Features a custom LCD panel design to meet specific application needs
- Enhanced Sunlight Readable TFT display for clear visibility in bright environments
- Supports custom LCD panel configurations for tailored performance and appearance

Technical Parameters:

Active Area Size	154.21 x 85.92 mm
Contrast	800:1
Operating Temperature	-20 to +70 (Optional: -30 to +80)
Backlight Brightness	1000 cd/m ² (Optional: 300 to 1500 cd/m ²)
Backlight Type	White LED
Storage Temperature	-30 to +80 (Optional: -40 to +90)
Viewing Direction	80/80/80/80
Viewing Area Size	154.81 x 86.52 mm

Number of Dots	1024 x 600 Dots
Module Type	7" IPS TFT + CTP



Applications:

The CH700WS17F-CTG display module is a versatile solution that finds applications across a range of sectors. Below are specific examples of how this module can be effectively utilized in various fields:

Industrial Control

In the realm of industrial automation, the CH700WS17F-CTG is vital for control panels and Human-Machine Interfaces (HMIs). Exhibiting high brightness levels and a durable design, it allows operators to monitor machinery and processes in real-time. The wide viewing angles facilitate group visibility during collaborative tasks, making it easier for teams to work together in dynamic production environments.

Smart Home Systems

The CH700WS17F-CTG excels in smart home applications as part of control panels that regulate lighting, security, and HVAC systems. Its responsive capacitive touch functionality simplifies user interaction, allowing homeowners to effortlessly manage their devices. The sleek design and customizable features make it perfect for modern interiors, enhancing aesthetics and user convenience in daily operations.

Medical Equipment

In the healthcare sector, the CH700WS17F-CTG can be embedded in patient monitoring systems and diagnostic devices. The high resolution and clear visuals enable medical staff to quickly interpret critical data, ensuring timely responses in clinical settings. Its robust durability allows for regular disinfection, an essential requirement in maintaining hygiene standards, especially in hospitals and clinics.

Internet of Things (IoT) Devices

The CH700WS17F-CTG is particularly suited for IoT applications, including environmental monitors and smart meters. Its ability to operate in temperatures ranging from -20 to +70 degrees Celsius ensures reliability in outdoor settings. The display provides real-time analytics and operational data, enhancing user engagement through an interactive touch interface that simplifies data access.

Vehicle-Mounted Applications

This display module is ideal for vehicle-mounted systems such as dashboards and infotainment displays. With its high brightness, users can easily read information in various lighting conditions, ensuring functionality both during the day and at night. The touch interface allows for seamless navigation through maps, media, and vehicle diagnostics, making the driving experience more intuitive and enjoyable.

In conclusion, the CH700WS17F-CTG serves as a pivotal component across industries, offering customizable solutions that enhance functionality and user experience in applications ranging from industrial control to smart home solutions.

FAQ:

Q1: What is the brand and model number of this LCD Display Module?

A1: The LCD Display Module is manufactured by Chenghao Optoelectronic, and the model number is CH700WS17F-CTG.

Q2: What certifications does this product have?

A2: This LCD Display Module is certified with CE, RoHS, and FCC, ensuring compliance with international quality and safety standards.

Q3: What is the minimum order quantity for the CH700WS17F-CTG LCD Display Module?

A3: The minimum order quantity for this product is 100 pieces.

Q4: How is the product packaged to ensure its safety during shipping?

A4: All products are packed carefully to ensure safety. Small size products are packed using tray plus carton, while bigger sizes use foam slot plus carton. Custom packaging can also be designed according to customers' requirements.

Q5: What is the typical delivery time and payment terms for this LCD Display Module?

A5: The delivery time is typically between 3 to 7 days. Payment terms include TT (Telegraphic Transfer) and other methods as agreed upon.

Q6: What is the supply capacity of Chenghao Optoelectronic for this product?

A6: Chenghao Optoelectronic has a supply ability of up to 50,000,000 pieces per month for the CH700WS17F-CTG LCD Display Module.



Shenzhen ChengHao Optoelectronic Co., Ltd.



+86 755-27806536



add@chenghaolcm.com



chenghaolcd.com

7th floor, building C5, Hengfeng Industrial City, Hangcheng street, Bao'an District, Shenzhen