

# RGB Touch Display 7 Inch 1024x600 High Resolution IPS TFT Lcd with 1000 cd/m2 Brightness

# **Basic Information**

Brand Name: Chenghao Optoelectronic

Certification: CE \ RoHS \ FCCModel 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 DaysPayment Terms: TT Or Others

• Supply Ability: 50000000 Pcs/month





# **Product Specification**

Viewing Direction: 80/80/80/80
Number Of Dots: 1024x600 Dots
Viewing Area Size: 154.81x86.52 Mm

Display Mode: IPS/Transmissive/Normally Black
 Backlight Brightness: 1000cd/m2 (300~1500 Optional)

• Lcd Interface: RGB (HDMI/SPI/MCU/RGB/LVDS/MIPI...

(Optional))

• Module Size: 190x121x8.35 Mm

Backlight Type: White LED

• Highlight: 7 inch RGB touch display,

IPS TFT LCD high resolution , 1000 cd/m2 brightness LCD





# More Images





# **Product Description**

### **Product Description:**



The CH700WS17F-CTG is a high-performance 7-inch IPS (In-Plane Switching) TFT-LCD display module designed for applications requiring superior visual quality and touch functionality. With a brightness of 1000 cd/m², this module ensures clear visibility even in bright ambient light conditions, making it suitable for outdoor and industrial use.

The display boasts a resolution of 1024x600 pixels, providing sharp and vibrant images. Its wide viewing angles of 80/80/80/80 degrees allow for excellent visibility from different perspectives, which is crucial in multi-user environments or applications where screens are viewed from varying angles.

This model comes equipped with a capacitive touch panel (CTP) that utilizes the GT911 IC for precise and responsive touch control. The touch interface operates over an IIC (Inter-Integrated Circuit) connection, simplifying integration with various hardware systems. The capacitive touch technology enables users to interact with the screen effortlessly, enhancing user experience through smooth, gestures-supported operation.

The CH700WS17F-CTG operates within a temperature range of -20 to +70 degrees Celsius, ensuring reliability in diverse environmental conditions. Additionally, it features a robust construction with a 1.8mm glass lens and 0.55mm ITO glass, providing durability while maintaining a lightweight profile.

Customization options are available, allowing clients to tailor the display to their specific needs. These include adjustments in FPC design, interface options, backlight brightness, and more, catering to unique application requirements across industries. The RoHS compliance further ensures that the product adheres to environmental safety standards

In summary, the CH700WS17F-CTG is a versatile display solution that combines high brightness, excellent touch performance, and customizable features, making it ideal for various industrial and consumer applications.



# Features:

Product Name: LCD Display-Module

Backlight Type: White LED

Display Mode: IPS/Transmissive/Normally Black

Backlight Brightness: 1000 cd/m² (300~1500cd/m² Optional)

Glass Cover Thickness: 1.8 mm (Supports Customized Designs for Thickness, Shape, Etc.)

Operating Temperature: -20 to +70 (-30 to +80 Optional)

High-quality Thin Film Transistor Display Module technology for superior image clarity

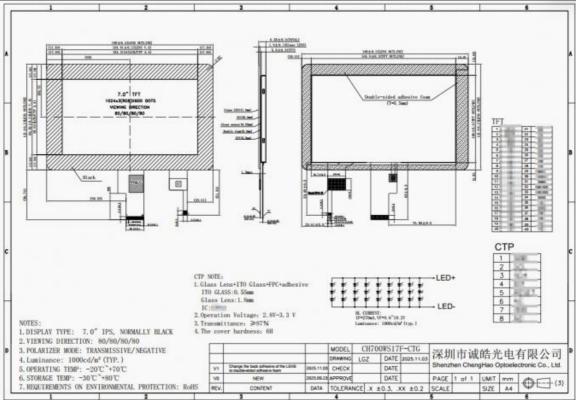
Custom LCD Module options available to meet specific project requirements

Reliable Liquid Crystal Display Screen with excellent viewing angles and color reproduction

#### **Technical Parameters:**

| Viewing Direction     | 80/80/80  |
|-----------------------|---|
| Storage Temperature   | -30 to +80 (-40 to +90 Optional)                                |
| Number of Dots        | 1024x600 Dots   |
| FPC Pin Number        | 40 Pins (Supports Custom Design Of Shape/Structure, Etc.)       |
| Active Area Size      | 154.21 x 85.92 mm   |
| Operating Temperature | -20 to +70 (-30 to +80 Optional)                                |
| Backlight Type        | White LED   |
| Glass Cover Thickness | 1.8 mm (Supports Customized Designs For Thickness, Shape, Etc.) |

| Backlight Brightness | 1000 cd/m² (300~1500 Optional)            |
|----------------------|---|
| LCD Interface        | RGB (HDMI/SPI/MCU/RGB/LVDS/MIPI Optional) |
| 1 2                  | 3 4 6 6                                   |



# **Applications:**

The CH700WS17F-CTG display module offers diverse applications across various industries due to its high brightness, responsive touch features, and robust design. Here are several potential use cases:

#### **Industrial Control Panels**

The vibrant 7-inch display is ideal for industrial control systems, allowing operators to easily monitor and control machinery. Its high brightness ensures visibility in environments with intense lighting, enhancing operational efficiency.

### Outdoor Kiosks

With its durability and high luminosity, the CH700WS17F-CTG is perfect for outdoor kiosks used in information dissemination or advertising. Whether in bright sunlight or rain, it provides clear visibility, attracting attention and ensuring user interaction.

#### Medical Devices

In healthcare applications, this display module can be integrated into diagnostic equipment and patient monitoring systems. Its responsive touch interface facilitates quick access to vital information while its wide operating temperature range ensures reliability.

#### **Consumer Electronics**

The CH700WS17F-CTG can be utilized in handheld devices and portable gadgets, delivering an engaging user experience through sharp visuals and intuitive touch capabilities. Its compact size makes it suitable for various consumer electronics such as navigation systems and smart home devices.

#### **Automotive Displays**

This module can be employed in automotive dashboards and infotainment systems. The clear visuals and excellent touch responsiveness allow drivers to interact with navigation and entertainment features safely and conveniently.

#### **Smart Home Interfaces**

In smart home applications, the CH700WS17F-CTG can serve as a central control unit for home automation systems. Users can effortlessly manage lighting, security, and temperature settings, all displayed on an easy-to-navigate interface. In conclusion, the CH700WS17F-CTG is a versatile display module with a wide range of potential applications, making it an excellent choice for industries looking to enhance user interaction and visual communication.

#### FAQ:

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

A1: The model number of this LCD Display Module is CH700WS17F-CTG.

Q2: Which certifications does this product have?

A2: This LCD Display Module is certified with CE, RoHS, and FCC.

Q3: What is the minimum order quantity for this product?

A3: The minimum order quantity for the CH700WS17F-CTG LCD Display Module is 100 pieces.

Q4: How are the products packaged for delivery?

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

Q5: What is the typical delivery time after placing an order?

A5: The delivery time for this product ranges from 3 to 7 days.

Q6: What payment terms does Chenghao Optoelectronic accept?

A6: Payment terms accepted include TT (Telegraphic Transfer) or other agreed methods. Q7: What is the monthly supply capacity for this LCD Display Module?

A7: Chenghao Optoelectronic can supply up to 50,000,000 pieces per month.

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