



## 7 Inch Sunlight Screen 1000 High Brightness 1024x600 IPS Tft Lcd with Capacitive Touch

### 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

- Module Size: 190x121x8.35 Mm
- Backlight Type: White LED
- Display Mode: IPS/Transmissive/Normally Black
- Active Area Size: 154.21x85.92 Mm
- Lcd Interface: RGB (HDMI/SPI/MCU/RGB/LVDS/MIPI... (Optional))
- FPC Pin Number: 40 Pins (Supports Custom Design Of Shape/structure, Etc.)
- Contrast: 800:1
- Operating Temperature: -20 - +70 ( -30 - +80 Optional )
- Highlight: 7 inch sunlight readable LCD screen, 1024x600 IPS TFT display, capacitive touch LCD module



#### More Images





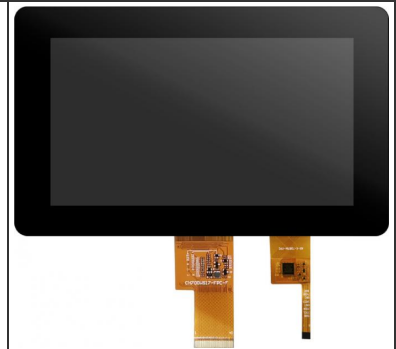
## Product Description

### Product Description:

The CH700WS17F-CTG is a sophisticated 7-inch IPS TFT-LCD display module that is designed to meet the needs of diverse applications ranging from industrial control systems to consumer electronics. Engineered with precision and built to high standards, this display module combines functionality with aesthetic appeal.

With physical dimensions of 190x121x8.35 mm, the CH700WS17F-CTG is compact, making it suitable for integration into systems where space is a premium. This small footprint does not compromise performance, as it boasts a resolution of 1024x600 pixels. This high resolution ensures that images, graphics, and text are displayed with exceptional clarity and detail, making it an invaluable asset for applications requiring precise visuals.

The display employs IPS (In-Plane Switching) technology, which contributes to its wide viewing angles of 80 degrees in all directions. This feature is particularly advantageous in environments where multiple users need to view the screen from various positions without experiencing color distortion or contrast loss. Whether in a conference room, production floor, or public kiosk, the CH700WS17F-CTG ensures consistent image quality for everyone.



One of the standout features of the CH700WS17F-CTG is its capacitive touch panel, which utilizes advanced GT911 touch technology. This allows for highly responsive and intuitive user interactions. The touch interface supports multi-touch functionality, enabling users to navigate through applications easily and efficiently. This is particularly beneficial in scenarios such as interactive displays, smart home systems, and industrial HMIs, where user engagement is critical.



Designed to operate under a wide temperature range of -20 to +70 degrees Celsius, this module ensures stable performance in varying environmental conditions. This thermal robustness makes the CH700WS17F-CTG suitable for both indoor applications, such as medical devices and control panels, as well as outdoor settings where temperature fluctuations are common.

For connectivity, the CH700WS17F-CTG features an RGB interface that supports high-speed data transmission. This capability is essential for applications that require real-time data updates and seamless integration with other electronic systems. The versatility of the interface allows it to adapt easily to existing setups or new design configurations.

In conclusion, the CH700WS17F-CTG is a highly versatile display module that excels in performance and customization. Its compact size, high resolution, broad viewing angles, responsive touch technology, and robust operating conditions make it a compelling choice for manufacturers seeking an efficient display solution across various industries.

### Features:

Product Name: LCD Display Module

Glass Cover Thickness: 1.8 mm (Supports customized designs for thickness, shape, etc.)

Viewing Direction: 80/80/80/80

Backlight Type: White LED

Number of Dots: 1024x600 Dots

LCD Interface: RGB (HDMI/SPI/MCU/RGB/LVDS/MIPI... Optional)

High-quality Liquid Crystal Display Screen for clear and vibrant visuals

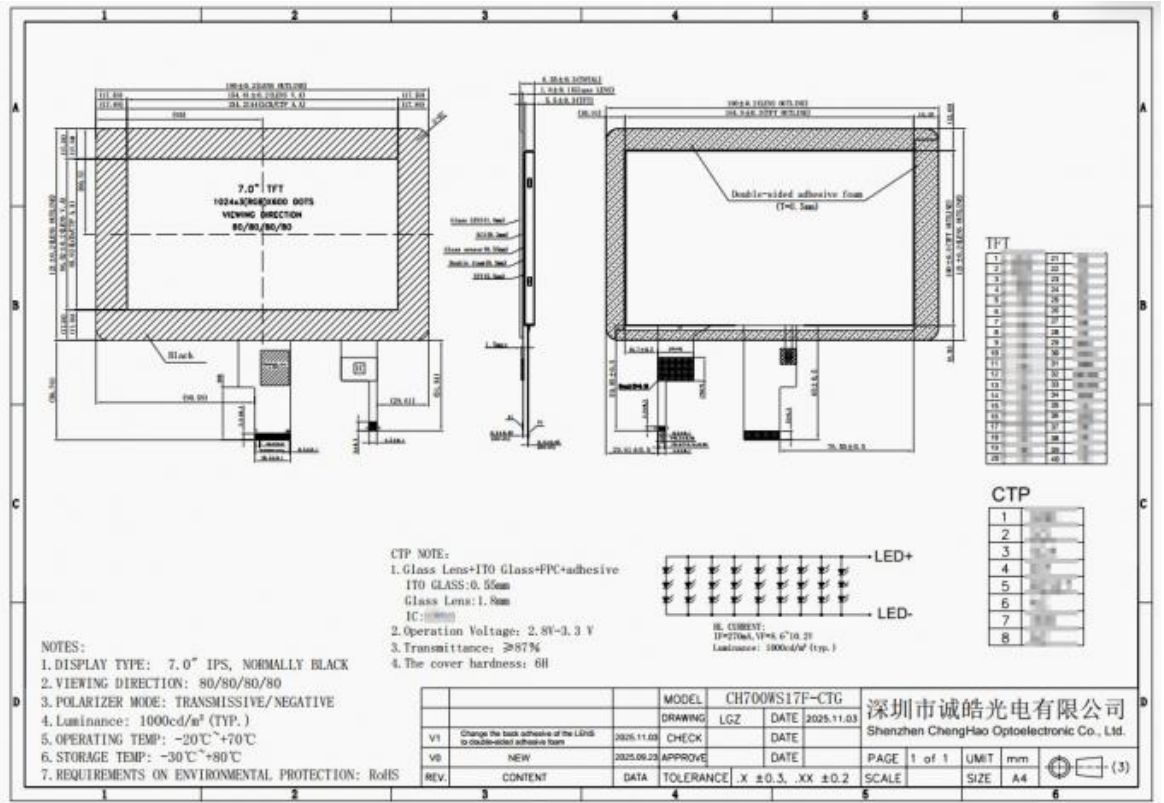
Supports custom lcd screen solutions to meet specific design requirements

Durable glass cover with customizable thickness and shape options

### Technical Parameters:

|                  |                     |
|------------------|---------------------|
| Warranty         | 13 Months           |
| Active Area Size | 154.21 x 85.92 mm   |
| Module Size      | 190 x 121 x 8.35 mm |

|                       |                                                                |
|-----------------------|----------------------------------------------------------------|
| Operating Temperature | -20 to +70 (Optional: -30 to +80 )                             |
| Backlight Brightness  | 1000 cd/m <sup>2</sup> (Optional: 300~1500 cd/m <sup>2</sup> ) |
| Module Type           | 7" IPS TFT + CTP                                               |
| Viewing Area Size     | 154.81 x 86.52 mm                                              |
| Number of Dots        | 1024 x 600 Dots                                                |
| Storage Temperature   | -30 to +80 (Optional: -40 to +90 )                             |
| LCD Interface         | RGB (Optional: HDMI/SPI/MCU/RGB/LVDS/MIPI...)                  |



**Customization:**

The CH700WS17F-CTG display module is not just a high-quality visual solution; it also offers extensive customization options tailored to meet the unique requirements of various industries. This flexibility allows manufacturers to adapt the module to specific application needs, enhancing its performance and user experience. Here's an in-depth look at the customization capabilities of the CH700WS17F-CTG:

**Flexible Printed Circuit (FPC) Design**

A key aspect of customization is the ability to tailor the FPC layout. Customers can specify the configurations, including all necessary pin arrangements and electrical connections, ensuring compatibility with diverse device architectures. This flexibility facilitates smoother integration into existing systems or creates new designs that meet specific engineering requirements.

**Display Interface Options**

The CH700WS17F-CTG supports multiple interface types, including RGB, SPI, and MCU. Clients can choose the most suitable interface for their applications, balancing performance with existing system compatibility. This customizability is essential for both new designs and retrofitting older technologies, improving data communication speed and reliability.

**Brightness Customization**

With the capability to adjust backlight brightness levels from 300 cd/m<sup>2</sup> to over 2800 cd/m<sup>2</sup>, clients can configure the display to suit different environments. For instance, outdoor applications can benefit from higher brightness settings to improve visibility in sunlight, while indoor applications might require lower settings to enhance comfort and reduce glare.

**Touch Technology Variants**

The CH700WS17F-CTG can be offered with different touch technologies based on customer preferences. While the standard capacitive touch panel provides responsive and intuitive user interaction, options for resistive touch panels are also available. This adaptability ensures that the module can function effectively in various settings, including those requiring glove use or enhanced durability.

**Glass and Coating Options**

Customization extends to the glass cover, where clients can select the thickness, shape, and surface treatment. Options such as anti-glare coatings or toughened glass help protect the display from physical damage and enhance visibility under various lighting conditions. These features are particularly important in industrial applications where rugged use is common.

**Environmental Specifications**

Clients can specify particular temperature and humidity ranges for the display module, ensuring reliability in specific operational environments. This capability allows the CH700WS17F-CTG to perform optimally in extreme temperature fluctuations, such as those

found in automotive or outdoor settings.

#### Artwork and Branding

The module can also be customized with specific branding or artwork on the glass surface, allowing manufacturers to add logos or design elements. This feature not only serves branding purposes but also helps in the creation of unique product identities.

In summary, the CH700WS17F-CTG's extensive customization options allow manufacturers to create a tailored display solution that meets their unique requirements. By adjusting factors such as FPC design, interface types, brightness levels, touch technology, and environmental specifications, the CH700WS17F-CTG can be adapted for a wide variety of applications.

## Support and Services:

The CH700WS17F-CTG display module is backed by comprehensive support and service options that ensure customers receive the assistance they need for successful implementation and integration. Understanding the importance of customer satisfaction and product performance, the manufacturer offers a range of services tailored to meet various needs throughout the product lifecycle.

#### Technical Support

Customers have access to a dedicated technical support team equipped to handle inquiries related to installation, configuration, and troubleshooting. This team is available via multiple channels, including email and phone support, ensuring that assistance is just a call or click away. Prompt technical support helps minimize downtime and facilitates smooth integration into diverse applications.

#### Documentation and Resources

Comprehensive product documentation is provided alongside the CH700WS17F-CTG module. This includes user manuals, integration guides, and datasheets that detail specifications, capabilities, and installation procedures. These resources are designed to empower customers to utilize the product effectively, ensuring they have all the necessary information to maximize performance.

#### Customization Assistance

Given the module's extensive customization options, the manufacturer offers consultative services to help clients determine the best configurations for their specific applications. Whether it involves FPC design, interface selection, or touch technology, the support team collaborates with customers to create tailored solutions that align with their operational needs.

#### Warranty and Repair Services

The CH700WS17F-CTG comes with a warranty that covers manufacturing defects and ensures quality assurance. In the event of a malfunction, the manufacturer provides repair services to address any issues, maintaining product integrity and reliability. This warranty period offers peace of mind, allowing customers to focus on their applications without worrying about potential product failures.

## 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 the CH700WS17F-CTG LCD Display Module have?

A2: This product is certified with CE, RoHS, and FCC, ensuring compliance with international standards.

#### Q3: What is the minimum order quantity for the CH700WS17F-CTG?

A3: The minimum order quantity for this LCD Display Module is 100 pieces.

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

A4: All products are carefully packed to keep them safe. Small-sized products are packed using trays and cartons, while bigger sizes use foam slots and cartons. Packaging can also be customized according to customer requirements.

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

A5: The delivery time is typically between 3 to 7 days. Payment terms include TT (Telegraphic Transfer) and other available options.

#### Q6: What is the supply capacity for the CH700WS17F-CTG LCD Display Module?

A6: Chenghao Optoelectronic has a supply ability of up to 50,000,000 pieces per month for this model.



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