Sunlight Readable Lcd Display 40 Pins 7 Inch IPS TFT Screen with Capacitive Touch

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

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

(Optional))

• Module Type: 7" IPS TFT + CTP

• Warranty: 13 Months

• FPC Pin Number: 40 Pins (Supports Custom Design Of

Shape/structure, Etc.)

• Viewing Area Size: 154.81x86.52 Mm

• Contrast: 800:1

• Storage Temperature: -30 - +80 (-40 - +90 Optional)

• Active Area Size: 154.21x85.92 Mm

• Highlight: 7 inch IPS TFT LCD display,

sunlight readable LCD screen, capacitive touch TFT display





More Images





Product Description

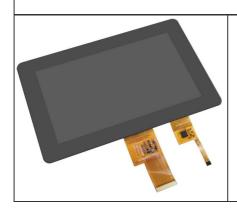
Product Description:

The CH700WS17F-CTG is a high-performance 7-inch IPS TET-LCD display module meticulously designed to meet the demands of - - - various applications across multiple industries. With a compact dimension of 190x121x8.35 mm, this display module is engineered for seamless integration, making it an excellent choice for devices where space is limited.

Equipped with a resolution of 1024x600 pixels, the CH700WS17F-CTG delivers exceptionally clear and vibrant visuals, enhancing user experience whether it is used in an industrial control system or consumer electronics. The IPS technology enables a wide viewing angle of 80 degrees in all directions, ensuring consistent color and brightness regardless of the viewer's position. This feature is vital for collaborative environments or applications where the screen may be viewed from multiple angles.

The display module features a capacitive touch panel, utilizing the GT911 touchscreen controller for enhanced sensitivity and accuracy. This touch technology allows for smooth interaction, making it perfect for applications that require user input, such as kiosks and touch-based interfaces in smart home systems.





Designed to operate effectively in a temperature range of -20 to +70 degrees Celsius, the CH700WS17F-CTG is suitable for both indoor and outdoor settings. This broad operating temperature range ensures that the module performs reliably in various environments, from harsh industrial conditions to everyday consumer use.

Furthermore, it utilizes an RGB interface for easy connectivity with a variety of systems. This interface supports rapid data transfer which is crucial for applications requiring real-time updates, making it ideal for digital signage and other dynamic settings.

In summary, the CH700WS17F-CTG combines robust performance with flexible features, including its compact size, high resolution, wide viewing angles, responsive touch capabilities, and adaptable interfaces. These attributes make it a premier choice for manufacturers and developers seeking a versatile display solution for diverse applications.

Features:

Product Name: LCD Display Module

Viewing Area Size: 154.81x86.52 mm for clear and vibrant visuals

Viewing Direction: 80/80/80 ensuring consistent image quality from multiple angles

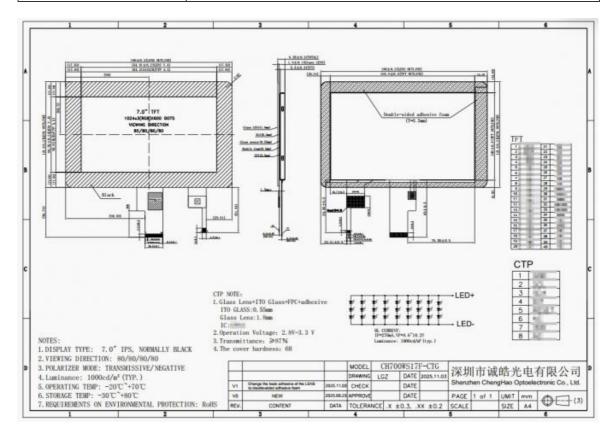
Active Area Size: 154.21x85.92 mm providing an expansive display area

Glass Cover Thickness: 1.8 mm with support for customized designs in thickness, shape, and more LCD Interface: RGB with optional interfaces including HDMI, SPI, MCU, RGB, LVDS, MIPI, and others Manufactured by a reliable custom LCD manufacturer specializing in Thin Film Transistor Display Modules High-quality Thin Film Transistor Display Module technology for enhanced performance and durability Ideal Lcd Display Module for various applications requiring customizable display solutions

Technical Parameters:

Backlight Brightness	1000cd/m² (300~1500 Optional)
LCD Interface	RGB (HDMI/SPI/MCU/RGB/LVDS/MIPI Optional)
FPC Pin Number	40 Pins (Supports Custom Design Of Shape/structure, Etc.)
Number of Dots	1024x600 Dots
Viewing Direction	80/80/80
Active Area Size	154.21x85.92 mm

Warranty	13 Months
Storage Temperature	-30 to +80 (-40 to +90 Optional)
Operating Temperature	-20 to +70 (-30 to +80 Optional)
Contrast	800:1



Customization:

The CH700WS17F-CTG display module stands out in the realm of TFT_LCD technology thanks to its robust customization options, which cater to various client requirements across multiple industries. Customization is an essential aspect of the CH700WS17F-CTG, allowing manufacturers and developers to tailor the module to fit specific applications and enhance end-user experience. Here are some key areas of customization:

FPC Configuration

The Flexible Printed Circuit (FPC) design can be customized to meet the specific needs of a project. Clients can specify dimensions, pin configurations, and layouts that match their devices, enabling straightforward integration and flexibility in design. This adaptability is crucial for manufacturers who may have unique internal architectures or spatial constraints.

Interface Options

The CH700WS17F-CTG supports various interface types, including RGB, SPI, and IIC. Manufacturers can choose an interface that best suits their system requirements, allowing for efficient data transfer and compatibility with existing electronics. This makes it an ideal choice for both retrofitting older systems and integrating into new designs.

Brightness Levels

Clients have the flexibility to customize the backlight brightness according to their application needs. The CH700WS17F-CTG can be configured with brightness levels ranging from 300 cd/m² to over 2800 cd/m², ensuring optimal visibility in different lighting conditions. This feature is particularly significant for outdoor applications where sunlight visibility is critical.

Touch Functionality

The touch panel can be customized for either capacitive or resistive touch technology depending on the user interaction requirements. Capacitive touch provides a modern interface suited for light touches, while resistive touch could be beneficial in environments where heavier interaction or gloved use is common. This choice enhances usability and meets diverse application demands.

Glass and Coating Customizations

The glass cover can be personalized regarding thickness, shape, and surface treatment. Options like anti-glare coatings or enhanced durability treatments are available to ensure that the display withstands harsh environmental conditions, making it suitable for industrial applications or outdoor use.

Temperature Specifications

In addition to physical and interface customizations, clients can specify operational temperature ranges. The CH700WS17F-CTG is engineered to accommodate a variety of thermal environments, making it adaptable for applications that may experience extreme temperatures.

In summary, the extensive customization capabilities of the CH700WS17F-CTG make it a highly adaptable display solution. Manufacturers benefit from the ability to align the module's specifications closely with their applications, ultimately enhancing both product performance and user satisfaction.

FAQ:

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

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

Q2: Does this product have any certifications?

A2: Yes, the CH700WS17F-CTG LCD Display Module is certified with CE, RoHS, and FCC.

Q3: What is the minimum order quantity for this LCD Display Module?

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

Q4: How is the product packaged for shipment?

A4: All products are packed properly to ensure safety during shipment. For small-sized products, tray plus carton packaging is used; for larger sizes, foam slot plus carton is used. We also offer customized packaging according to customers' requirements.

Q5: What is the typical delivery time and payment terms?

A5: The delivery time is typically between 3 to 7 days. Payment terms accepted include TT (Telegraphic Transfer) or other agreed

Q6: What is the supply capacity of Chenghao Optoelectronic for this LCD Display Module?

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



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