



Cheap Lcd Screens 7 Inch 800x1280 Hig Resolution Lcm Display Module For Industrial Control

Our Product Introduction

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Basic Information

- Brand Name: Chenghao Optoelectronic
- Certification: CE, ISO9001, Rose, SGS
- Model Number: CH700WX09A-CTA
- 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: T/T, AliPay, PayPal
- Supply Ability: 50000000 Pcs/month



Product Specification

- Number Of Dots: 800x3(RGB)x1280
- Operating Temperature: -20 ~ +70
- Touch Type: Capacitive
- Lcd Interface: MIPI
- Storage Temperature: -30 ~ +80
- Touch Interface: IIC
- Contrast: 800:1
- Viewing Area Size: 151.22x94.7 Mm
- Highlight: 7 inch LCD screen industrial control, 800x1280 resolution LCM display, IPS LCD display module



More Images



Product Description

Product Description:

CH700WX09A-CTA, a 7-inch horizontal color TFT LCD module developed by Chenghao Optoelectronic, integrates high-performance display and capacitive touch functions to meet diverse application needs. Boasting a 1280x800 resolution and 16M color support, it delivers vivid, detailed visuals, while the IPS panel with 85/85/85/85 full-viewing-angle performance ensures consistent image clarity from any direction. Operating at 300 cd/m² brightness and 800:1 contrast ratio, it maintains clear display even in bright environments.	
	Equipped with a capacitive touch panel (CTP) featuring IIC interface, the module enables smooth, responsive touch interactions. It adopts MIPI interface for stable data transmission and has a compact module size of 171.22x114.7x5.25mm, with a 151.22x94.7mm viewing area and 150.72x94.2mm active area, facilitating easy integration into various devices. The module works reliably in -20~+70 operating temperature and -30~+80 storage temperature, and supports extensive customizations like FPC shape, interface type, backlight brightness, and glass cover design, making it suitable for smart devices, industrial controls, and consumer electronics.

Features:

High-Definition Resolution with 7" IPS Display

CH700WX09A-CTA adopts a 7-inch IPS display with a resolution of 800×3(RGB)×1280, which ensures sharp and detailed image presentation for various content, such as interface menus, data charts, or multimedia elements. This resolution specification, combined with the IPS panel's inherent advantages, allows the module to deliver consistent color accuracy and clarity, making it suitable for scenarios where high-definition visual performance is required, such as smart device interfaces or industrial control displays.

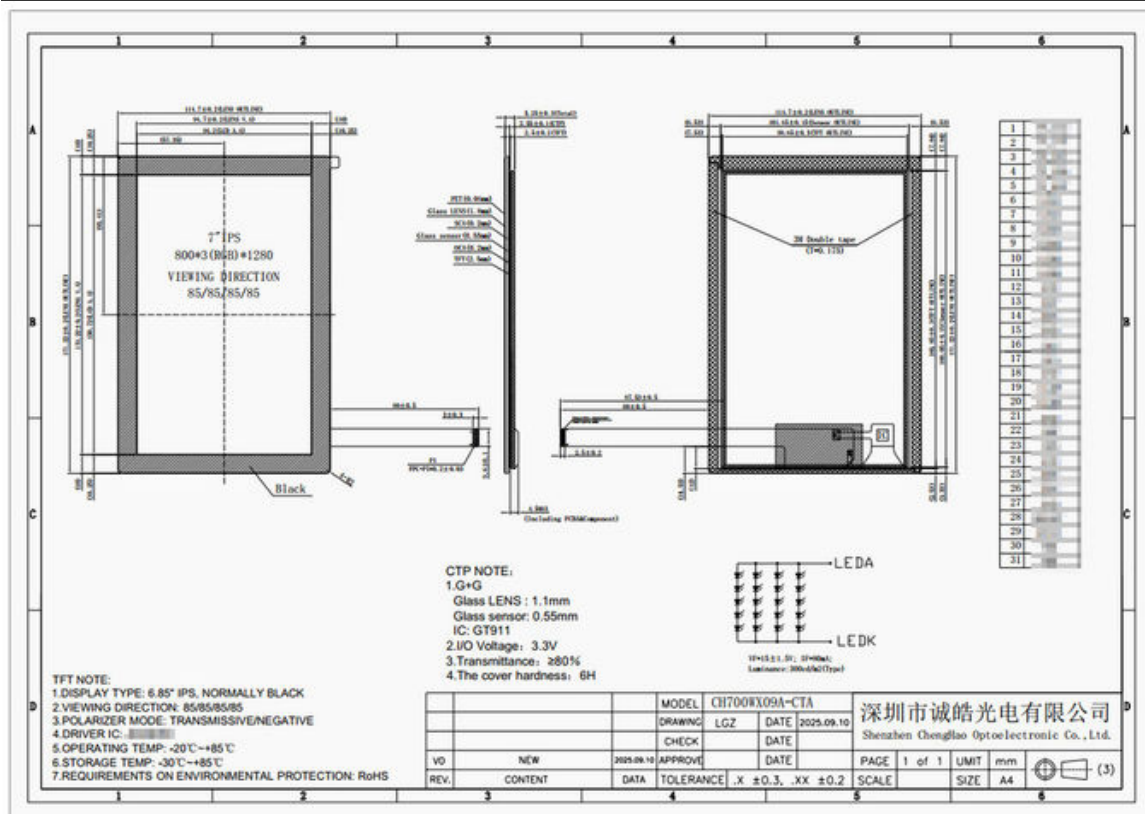
Wide Viewing Direction for All-Angle Clarity

The module features an excellent viewing direction performance of 85/85/85/85, meaning it maintains clear and undistorted display effects from all four main viewing angles (top, bottom, left, and right). Unlike displays with narrow viewing angles that cause color fading or image distortion when viewed off-center, this wide viewing range ensures that multiple users can simultaneously observe the screen content accurately, which is particularly useful in applications like shared control panels or public information displays.

Reliable Operation in Wide Temperature Ranges

Technical Parameters:

Module Size	171.22x114.7x5.25 mm
Storage Temperature	-30 ~ +80
Touch Type	Capacitive
Contrast	800:1
Touch Interface	IIC
Viewing Direction	85/85/85/85
Active Area	150.72x94.2 mm
Viewing Area Size	151.22x94.7 mm
Module Type	7" TFT+CTP
Operating Temperature	-20 ~ +70



Applications:

Industrial Control

In industrial control systems, CH700WX09A-CTA is widely used in the human-machine interface (HMI) of equipment like programmable logic controllers (PLCs) and industrial automation terminals. Its 7-inch IPS display with 85/85/85/85 viewing direction ensures that on-site operators can clearly read real-time data (such as production parameters and equipment status) from any angle on the workshop floor, even in environments with complex lighting. The module's operating temperature range of -20 ~+85 and storage temperature range of -30 ~+85 allows it to adapt to harsh industrial conditions, such as high-temperature assembly lines or low-temperature storage workshops, without affecting display performance. Additionally, the G+G type CTP with 3.3V I/O voltage enables operators to perform quick touch operations (like parameter adjustment and equipment start-stop control) with gloves on, improving work efficiency.

Medical Equipment

Within medical equipment, CH700WX09A-CTA is an ideal display solution for small to medium-sized medical devices such as portable patient monitors and in vitro diagnostic instruments. The 6H cover hardness of its glass lens provides excellent scratch resistance, preventing damage from frequent disinfection with medical alcohol or contact with medical tools. The transmissive/negative polarizer mode of the display ensures that medical staff can clearly view detailed data (including vital signs and test results) even under the bright lighting of hospital wards or laboratories. Moreover, the module's compliance with RoHS environmental protection requirements aligns

with the strict material safety standards of the medical industry, avoiding potential risks of harmful substance leakage and ensuring the safety of both medical staff and patients during use .

FAQ:

A: The brand name of this TFT LCD Display product is Chenghao Optoelectronic.

Q: What is the model number of this TFT LCD Display product?

A: The model number of this TFT LCD Display product is CH700WX09A-CTA.

Q: Where is this TFT LCD Display product manufactured?

A: This TFT LCD Display product is manufactured in China, Shenzhen.

Q: What certifications does this TFT LCD Display product have?

A: This TFT LCD Display product is certified with CE, ISO9001, RoHS, and SGS.

Q: What are the payment terms accepted for purchasing this TFT LCD Display product?

A: The accepted payment terms for purchasing this TFT LCD Display product are T/T, AliPay, and PayPal.



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