

7 Inch Lcd Display Module MIPI Interface 1280x800 Ips Lcd Tft With Capacitive Touch

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

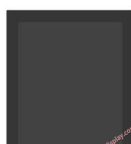


Product Specification

- Viewing Area Size: 151.22x94.7 Mm
- Operating Temperature: -20 ~ +70
- Number Of Dots: 800x3(RGB)x1280
- Storage Temperature: -30 ~ +80
- Touch Type: Capacitive
- Touch Interface: IIC
- Display Mode: IPS/Transmissive/Normally Black
- Active Area: 150.72x94.2 Mm
- Highlight: 7 inch MIPI LCD display module, 1280x800 IPS TFT LCD, capacitive touch LCD module



More Images





Product Description

Product Description:

CH700WX09A-CTA is a compact and high-performance 7-inch TFT LCD module developed by Shenzhen ChengHao Optoelectronic Co., Ltd., tailored for scenarios requiring integrated display and touch functions. It adopts a 6.85-inch IPS normally black display panel, paired with a resolution of 800×3(RGB)×1280, which ensures sharp rendering of text, icons, and data graphs—critical for devices that demand clear visual feedback. The module's transmittance of $\geq 80\%$ boosts light efficiency, allowing it to maintain visible and legible content even in dimly lit environments, while its 85/85/85/85 viewing direction eliminates color distortion from off-center angles, supporting multi-user observation.



Structurally, the module features a layered design optimized for durability and touch responsiveness. It combines a 1.8mm-thick glass lens (with optional 1.1mm thickness) and a 0.55mm glass sensor, bonded via OCA (0.2mm), PET (0.06mm), and SCA (0.2mm) layers to form a robust G+G capacitive touch panel (CTP). The cover hardness of 6H resists scratches from daily use or cleaning, extending the module's service life. Key dimensions are tightly controlled: the lens outline measures $171.22 \pm 0.2\text{mm}$, the TFT outline is $160.85 \pm 0.3\text{mm}$, and the total thickness is $5.25 \pm 0.3\text{mm}$, making it easy to fit into space-constrained devices like portable instruments or compact control panels.



Equipped with *** as the TFT driver IC and *** as the CTP driver IC, the module operates at 3.3V I/O voltage, ensuring compatibility with most industrial and consumer control boards. It supports an operating temperature range of $-20 \sim +85$ and a storage range of $-30 \sim +85$, adapting to harsh conditions from cold warehouses to high-temperature workshops. Additionally, it complies with RoHS standards, meeting global environmental requirements, and uses an FH26-31S-0.3SHW compatible connector for stable data transmission, making it a reliable choice for industrial control, medical monitoring, and smart home devices.

Features:

G+G-Structured Capacitive Touch Panel for Durable Interaction

CH700WX09A-CTA adopts a G+G (Glass+Glass) structure for its capacitive touch panel (CTP), which consists of a 1.1mm-thick glass lens as the top protective layer and a 0.55mm-thick glass sensor as the touch-sensing layer. This dual-glass design not only provides a 6H cover hardness to resist scratches from daily use or cleaning but also ensures stable touch sensitivity—supporting accurate operation even when users wear thin gloves.

85/85/85/85 Full-Viewing-Angle Performance for Multi-Person Observation

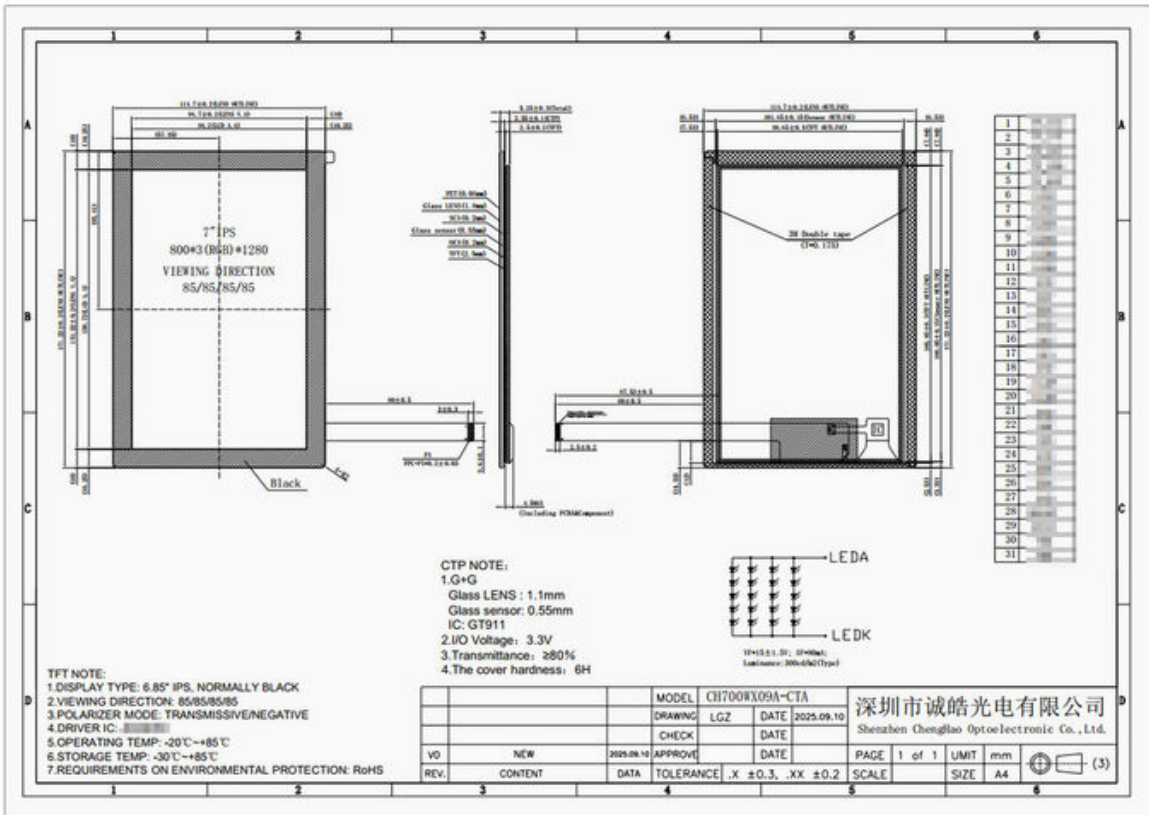
CH700WX09A-CTA boasts a viewing direction specification of 85/85/85/85, meaning it maintains consistent brightness and color accuracy from all four main viewing angles (top, bottom, left, right). Unlike displays with narrow viewing angles that cause color fading or image distortion when viewed off-center, this full-viewing-angle performance allows multiple users to observe the screen content simultaneously.

Wide Temperature Range for Harsh Environment Adaptability

Designed to withstand extreme temperatures, the module supports an operating temperature range of $-20 \sim +85$ and a storage temperature range of $-30 \sim +85$. This wide temperature adaptability ensures it works stably in harsh conditions: in low-temperature

Technical Parameters:

Active Area	150.72x94.2 mm
Viewing Area Size	151.22x94.7 mm
Touch Type	Capacitive
Number of Dots	800x3(RGB)x1280
Viewing Direction	85/85/85/85
LCD Interface	MIPI
Touch Interface	IIC
Display Mode	IPS/Transmissive/Normally Black
Module Type	7" TFT+CTP
Brightness	300 Cd/m2



FAQ:

Q: What is the brand name of this TFT LCD Display product?

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

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

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

Q: Where is this TFT LCD Display product manufactured?

A: This product is manufactured in China, Shenzhen.

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

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

A: The payment terms for this product are T/T, AliPay, and PayPal.

