

4.3" Custom Made Lcd Display MCU Interface 800x480 Color Lcd Manufacturer

Our Product Introduction

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Basic Information

- Brand Name: Chenghao Optoelectronic
- Certification: RoHS CE、FCC
- Model Number: CH400WV23A
- 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
- Supply Ability: 300K Pcs/month



Product Specification

- Screen Brightness: 300 Cd/m2
- Contrast: 800
- FPC Pin Numbers: 39
- Touch Type: No Touch
- Screen Size: 4.3 Inch
- Active Area Size: 56.16x93.6 Mm
- Lcd Interface: MCU
- Viewing Area Size: 56.66x94.1 Mm
- Highlight: 4.3 inch LCD display module, custom MCU interface LCD, 800x480 resolution color LCD



More Images





Product Description

Product Description:

The CH430WV23A is a high-performance 4.3-inch TFT LCD display module developed by Chenghao Optoelectronic, tailored for diverse application scenarios requiring reliable visual output. Boasting a resolution of 480x800 dots, it delivers sharp, detailed images with 16 million colors, ensuring vibrant and accurate color reproduction—ideal for displaying complex data or vivid graphics.		
Adopting an IPS (In-Plane Switching) panel with a transmissive, normally black display mode, the module offers consistent viewing quality from all directions, with an 80/80/80/80 (U/D/L/R@CR>10) viewing angle that eliminates color distortion and brightness loss even when viewed off-center. It features a brightness level of 300 cd/m², providing clear visibility in both indoor and moderately lit outdoor environments.		
In terms of hardware, the module uses an MCU interface for seamless integration with microcontrollers, supported by driver ICs including *** and *** for stable performance. With a 39-pin FPC connector, it ensures secure and efficient signal transmission. Measuring 61.56x104.65x2.55 mm (module size) and featuring an active area of 56.16x93.6 mm, it balances compactness with a sufficiently large display area for easy readability.		

Built to withstand harsh conditions, it operates within a temperature range of -20°C to +70°C and stores safely from -30°C to +80°C. Compliant with RoHS environmental standards, it meets global sustainability requirements, making it a responsible choice for eco-conscious projects.

Features:

High-Definition Resolution - The CH430WV23A features a 480x800 pixel resolution, delivering crisp, detailed visual content.

MCU Interface for Easy Integration - This LCD module utilizes an MCU interface, a widely used interface type in the microcontroller industry.

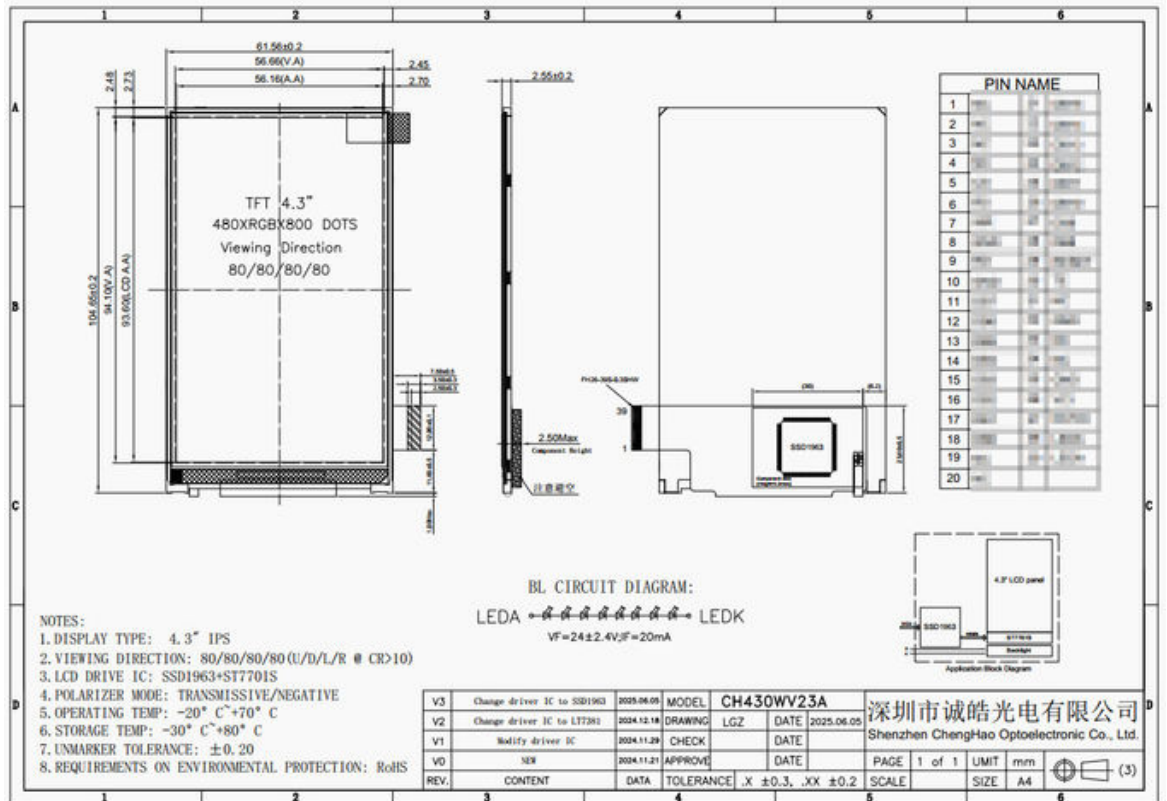
Wide Viewing Angle Performance - The module features a wide viewing angle design of 80/80/80/80 (up/down/left/right @CR>10). This means users experience consistent display quality when viewing the screen from all directions, without noticeable color distortion, brightness reduction, or contrast loss.

Wide Operating Temperature - The CH430WV23A supports a wide operating temperature range of -20°C to +70°C. This wide operating temperature allows the module to withstand a variety of harsh environmental conditions, ensuring normal display functionality and preventing performance degradation due to temperature fluctuations, whether in cold outdoor environments or relatively hot industrial sites. This enhances the product's environmental adaptability.

Technical Parameters:

Viewing Area Size	56.66x94.1 Mm
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Touch Type	No Touch
Operating Temperature	-20 ~ +70
Contrast	800
Lcd Interface	MCU
Screen Brightness	300 Cd/m2
Screen Size	4.3 Inch
Viewing Direction	80/80/80/80
FPC Pin numbers	39
Module Size	61.56x104.65x2.55 Mm



FAQ:

Q: What is the brand name of this small LCD touch screen?

A: The brand name is Chenghao Optoelectronic.

Q: What is the model number of this small LCD touch screen?

A: The model number is CH400WV23A.

Q: What certifications does this small LCD touch screen have?

A: It is certified with RoHS, CE, and FCC.

Q: What is the minimum order quantity for this small LCD touch screen?

A: The minimum order quantity is 100 pieces.

Q: What is the delivery time for this small LCD touch screen?

A: The delivery time is typically 3 to 7 days.



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