

4.3 Inch Colorful Display 480x800 Vertical Lcd and Tft with 39Pins MCU Interface

Our Product Introduction

for more products please visit us on chenghaolcd.com

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 Size: 4.3 Inch
- Lcd Interface: MCU
- Operating Temperature: -20 ~ +70
- Active Area Size: 56.16x93.6 Mm
- Screen Brightness: 300 Cd/m2
- Display Mode: IPS/Transmissive/Normally Black
- Module Size: 61.56x104.65x2.55 Mm
- Viewing Direction: 80/80/80/80
- Highlight: 4.3 inch TFT LCD display, 480x800 vertical LCD screen, 39pins MCU interface LCD



More Images





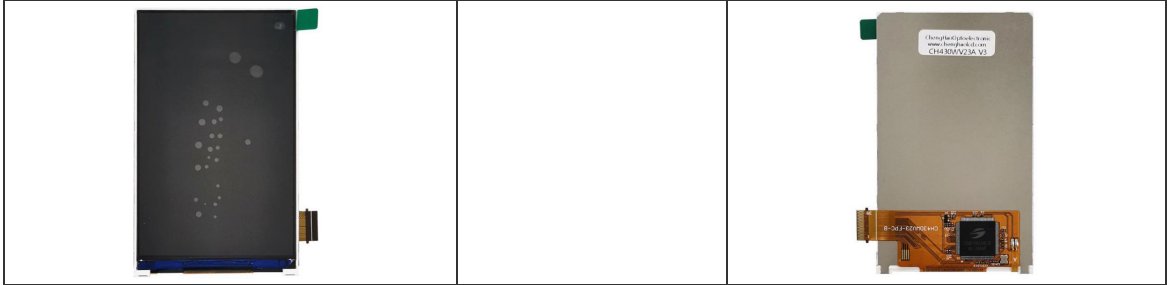
Product Description

Product Description:

The CH430WV23A is a 4.3-inch IPS TFT LCD module designed to deliver superior display quality, durability, and performance for industrial and embedded applications. Featuring a resolution of 480×800 pixels, it provides sharp image clarity and smooth color transitions, ensuring precise and vivid visual output. The IPS technology offers a full viewing angle of 80/80/80/80 (U/D/L/R), allowing clear visibility from any direction without color distortion, making it ideal for control panels, smart terminals, and portable instruments.

Equipped with *** driver IC, the CH430WV23A supports MCU parallel communication for stable and efficient data transfer. Its transmissive, negative display mode combined with an LED backlight achieves uniform brightness up to 300 cd/m², ensuring excellent readability under various lighting conditions.

Built for challenging environments, the module operates reliably between -20°C and +70°C and supports storage temperatures from -30°C to +80°C. With its compact 2.5 mm profile, RoHS compliance, and strong adaptability, the CH430WV23A stands out as a dependable



Features:

1. Wide Temperature Range (-20°C to +70°C)

The CH430WV23A is designed to operate in a broad temperature range, from -20°C to +70°C, making it highly suitable for use in challenging environments. This wide temperature tolerance ensures the module remains functional in both extremely cold and hot conditions, ideal for outdoor installations, industrial settings, and automotive applications where temperature variations are common. The CH430WV23A maintains consistent performance and reliability, even under extreme environmental stress.

2. Wide Viewing Angle with IPS Technology

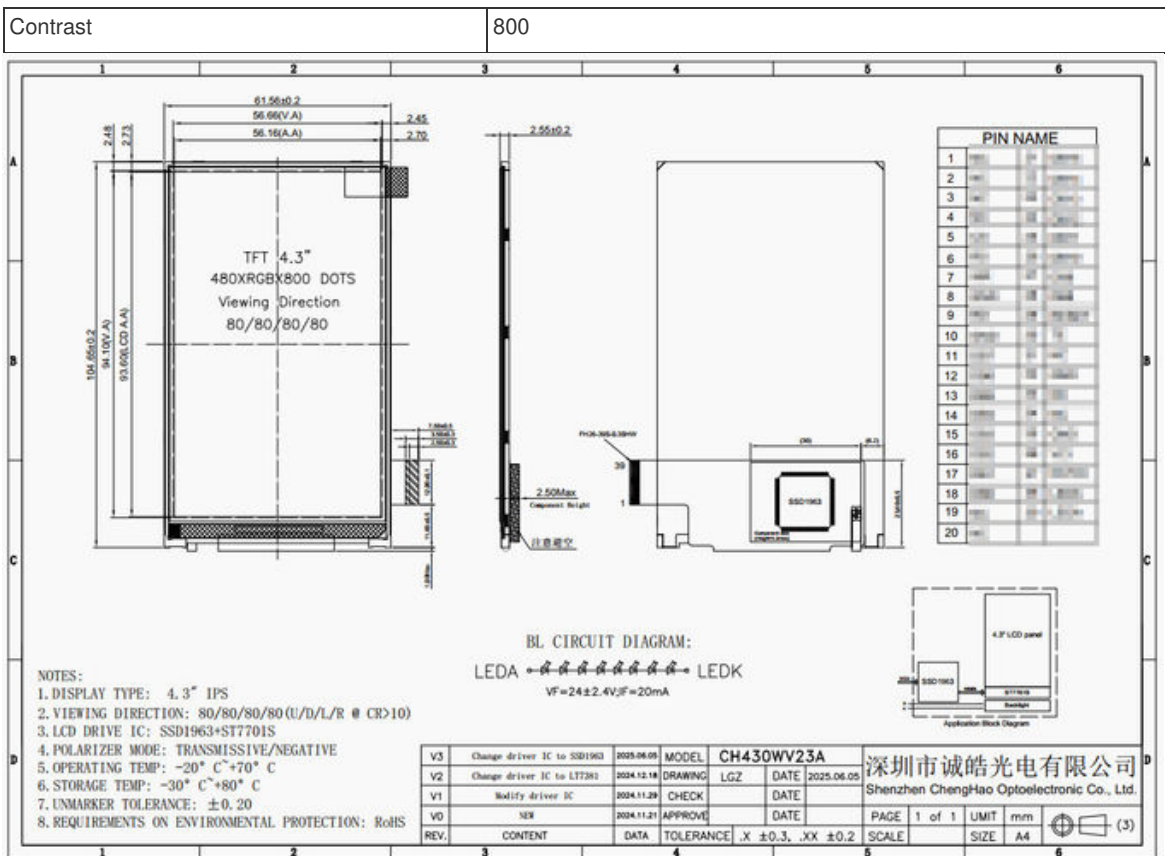
With its IPS (In-Plane Switching) technology, the CH430WV23A provides an exceptional wide viewing angle of 80/80/80/80 (U/D/L/R). This feature ensures that the display remains clear, with accurate color reproduction and high contrast, from any angle. Whether viewed from the front, side, or top, users can rely on consistent image quality, making this display perfect for environments where multiple users or angles of viewing are required, such as control panels, industrial monitors, and public information displays.

3. High-Resolution Display (480×800 Pixels)

The CH430WV23A boasts a high resolution of 480×800 pixels, providing detailed and crisp images. This high pixel density results in clear text, sharp graphics, and smooth transitions between colors, making it ideal for applications that require fine visual performance. Whether used in handheld devices, smart meters, or instrumentation, the 480×800 resolution ensures that data and graphical interfaces are presented in a highly readable and professional manner.

Technical Parameters:

Active Area Size	56.16x93.6 Mm
Viewing Direction	80/80/80/80
Storage Temperature	-30 ~ +80
Module Size	61.56x104.65x2.55 Mm
Touch Type	No Touch
LCD Interface	MCU
Operating Temperature	-20 ~ +70
Resolution	480x800 Dots
Display Mode	IPS/Transmissive/Normally Black



Applications:

1. Industrial Control Systems
The CH430WV23A is commonly utilized in industrial control systems where reliable, real-time monitoring of machinery and processes is critical. Its high resolution of 480x800 pixels and wide viewing angle ensure that operators can easily interpret data from various control panels, even from multiple angles.
2. Smart Home Devices
In the smart home sector, the CH430WV23A is integrated into devices like smart thermostats, control panels, and home security systems. The compact size and high resolution make it perfect for user interfaces that require both functionality and aesthetic appeal. Its IPS technology allows the display to be clearly visible from any angle, which is essential for devices placed in rooms where users might view the display from various positions.
3. Medical Equipment
The CH430WV23A also finds application in medical equipment where clarity and reliability are paramount. Medical devices such as handheld diagnostic tools, patient monitoring systems, and portable imaging equipment benefit from the module's high resolution and excellent color accuracy. The wide viewing angle allows medical professionals to view data from various positions, making it an excellent choice for applications like ECG monitors, oxygen saturation monitors, and even diagnostic imaging equipment. Its stable performance in wide temperature ranges and low power consumption make it ideal for portable and battery-powered medical devices.
4. Internet of Things (IoT) Devices
In the growing IoT market, the CH430WV23A serves as an effective display solution for smart meters, environmental monitoring devices, and remote data collection systems. Its ability to clearly display data even under varying lighting conditions, combined with its wide operating temperature range, ensures reliability in outdoor and harsh environments.
5. Vehicle-Mounted Applications
For vehicle-mounted applications, the CH430WV23A is integrated into dashboards, infotainment systems, and navigation displays. The module's wide viewing angles and high brightness (up to 300 cd/m²) ensure that the display remains visible in a variety of lighting conditions, whether in bright sunlight or low light environments.

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 are the packaging details for this small LCD touch screen?**
A: All the products are packed in the right way to keep them 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.
- Q: What is the delivery time for this small LCD touch screen?**

A: The delivery time is 3~7 days.

Q: What are the payment terms for purchasing this small LCD touch screen?

A: The payment terms are TT (Telegraphic Transfer).

Q: What is the supply ability for this small LCD touch screen?

A: The supply ability is 300,000 pieces per month.



Shenzhen ChengHao Optoelectronic Co., Ltd.



+86 755-27806536



add@chenghaolcm.com



chenghaolcd.com

7th floor, building C5, Hengfeng Industrial City, Hangcheng street, Bao'an District, Shenzhen