Compact 1.32'' TFT LCD Panel with SPI Interface for IoT and Medical Devices

Basic Information

- Place of Origin: China,Shenzhen
- Brand Name: Chenghao Optoelectronic
- Certification: CE RoHS
- Model Number: CH132HV01A
- 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: 7-15 working days
- Supply Ability: 300Kpcs/month

Product Specification

- Product Name: 1.32'' TFT LCD Panel
- LCD Interface: SPI
- Visible Area Size: 33.88 * 33.88 Mm
- Display Mode: IPS /transmissive/ Normally Black
- Operating Temperature: -20 ~ +70 ℃
- Viewing Direction: 80/80/80/80
- Luminance: 300 Cd/m2
- Storage Temperature: -30 ~ +80 ℃
- Resolution: 360 * 360 Dots
- Highlight: **SPI Interface TFT LCD Panel**, **1.32'' TFT LCD Panel**, **Compact TFT LCD Panel**

More Images

Product Description:

The CH132HV01A is a high-performance 1.32-inch IPS color TFT LCD display module designed for various applications. This module features a resolution of 360x360 pixels, ensuring clear and detailed images, making it suitable for scenarios that require high visual quality. With a brightness of 300 cd/m², it maintains good readability under different lighting conditions, particularly for outdoor use.

The display module operates within a wide temperature range of -20°C to +70°C, allowing it to function stably in diverse environmental conditions. This characteristic makes the CH132HV01A ideal for applications in industrial control, medical devices, and smart home technology. Utilizing advanced IPS technology, it provides wide viewing angles, ensuring users receive a consistent visual experience from different perspectives.

The CH132HV01A also supports various customization options, enabling customers to adjust the FPC shape, interface type, and touch panel type according to specific project requirements. Additionally, we offer a one-year warranty and comprehensive after-sales support to ensure customers receive timely assistance during usage.

In summary, the CH132HV01A is a powerful and versatile display module that meets modern devices' demands for high-performance displays, making it an ideal choice for customers across various industries.

Features:

Product Features of CH132HV01A

High resolution: CH132HV01A has a resolution of 360x360 pixels, which can provide clear and delicate image display.

IPS technology: The module adopts IPS (In-Plane Switching) technology, supports wide viewing angle, and ensures consistent image quality when viewed from different angles.

Standard screen brightness: The module brightness is 300 cd/m², which can maintain good readability in low light environments and is particularly suitable for use in indoor environments.
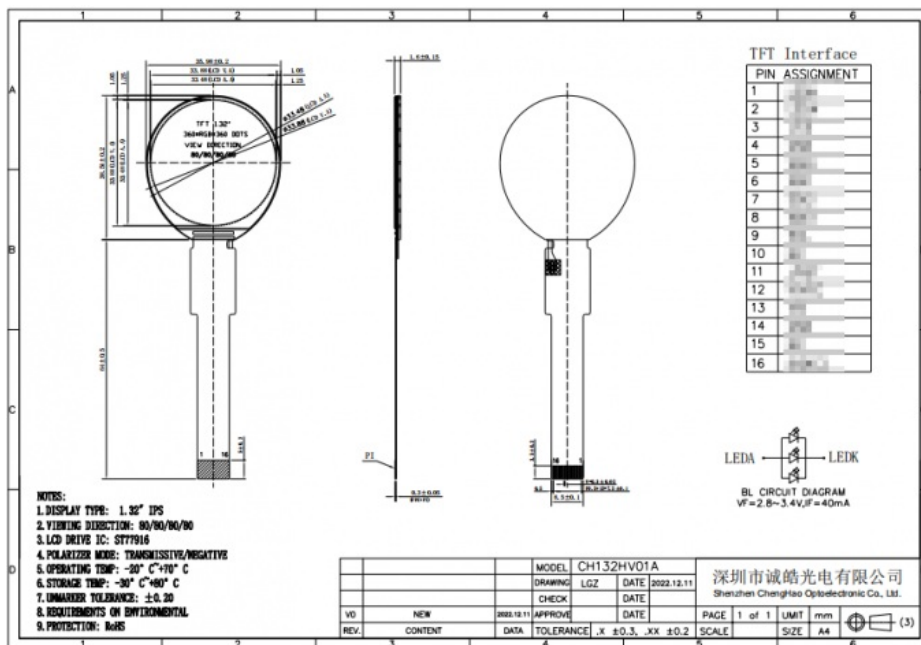
Wide temperature range: CH132HV01A can work stably in ambient temperatures from -20°C to +70°C, adapting to a variety of application scenarios.

Multiple customization options: The module supports customization of FPC shape, interface type and touch panel type to meet customers' specific needs.

One-year warranty: CH132HV01A provides a one-year warranty service to ensure that customers get the necessary support during use.

Wide application: The module is suitable for industrial control, medical equipment, smart home and other fields, and has a wide market adaptability.

These features make the CH132HV01A a powerful and flexible display module that can meet the needs of modern devices for high-performance displays.

Technical Parameters:

LCD Interface	SPI
Luminance	300 Cd/m2
Display Mode	IPS /transmissive/ Normally Black
Resolution	360 * 360 Dots
Operating Temperature	-20 ~ +70 ℃
Storage Temperature	-30 ~ +80 ℃
Visible area size	33.88 * 33.88 Mm
Active area size	33.48 * 33.48 Mm
Module Size	25.98 * 38.54 * 1.6 Mm
Viewing Direction	80/80/80/80

Applications:

Versatility of CH132HV01A Display Module
CH132HV01A is an adaptable display module widely utilized across various industries for its outstanding performance and flexible design. It serves as a crucial component in multiple applications:

Industrial Control
In industrial automation systems, CH132HV01A effectively showcases real-time data, operational interfaces, and monitoring information, empowering operators to efficiently oversee production processes.

Smart Home Applications
Designed for smart home devices like refrigerators and coffee machines, this module offers a user-friendly interface, significantly enhancing the overall user experience within smart home environments.

Medical Equipment Integration
In the medical sector, CH132HV01A integrates seamlessly into equipment such as heart rate monitors and thermometers, enabling the display of critical health data and timely information for medical professionals.

Instrumentation Support
Extensively employed in measurement and detection equipment, this display module facilitates real-time data presentation, aiding users in making precise analyses and informed decisions.

Artificial Intelligence Implementation
In smart robots and other AI devices, CH132HV01A serves as an intuitive human-computer interaction interface, delivering a seamless operational experience and valuable feedback.

IoT Devices and Connectivity
With IoT advancements, CH132HV01A is widely integrated into various connected devices to exhibit sensor data, device status, and enhance intelligent management capabilities.

Automotive Applications
Perfect for vehicle display systems like navigation and infotainment units, this module ensures clear visual information delivery, thereby enhancing driving safety and convenience.

Consumer Electronics Enhancement
In consumer electronics such as digital photo frames and portable devices, CH132HV01A excels in providing high-quality display effects to satisfy users' visual requirements.

By catering to these diverse application areas, CH132HV01A underscores its indispensable value and adaptability in modern technology.

Support and Services:

The CH132HV01A display module is backed by a comprehensive support and service framework designed to ensure customer satisfaction and optimal performance. Here are the key aspects of the support and services available for this module:
In summary, the support and services associated with the CH132HV01A display module are designed to facilitate a smooth experience for customers, from initial inquiries and customization to ongoing technical assistance and after-sales support. This comprehensive approach ensures that users can fully leverage the capabilities of the CH132HV01A in their projects.

Technical Support: Customers can access technical assistance through our dedicated support team. Whether you have questions about installation, configuration, or troubleshooting, our experts are ready to provide guidance to help you resolve any issues efficiently.

Customization Services: Understanding that different applications may require specific configurations, we offer customization options for the CH132HV01A. Clients can tailor the FPC shape, interface type, and touch panel type to meet their unique requirements, ensuring the module fits seamlessly into their projects .

Warranty Coverage: The CH132HV01A comes with a one-year warranty that covers manufacturing defects. This warranty provides peace of mind, assuring customers that they will receive support for any issues that arise due to product faults during the warranty period.

Sample Availability: For clients looking to evaluate the module before making a bulk purchase, we provide sample units. This allows potential customers to assess the performance and suitability of the CH132HV01A for their specific needs .

After-Sales Service: Our commitment to customer satisfaction extends beyond the sale. We offer after-sales support that includes installation assistance and ongoing consultations to ensure that customers can maximize the benefits of the CH132HV01A in their applications.

Wide Application Support: The CH132HV01A is designed for diverse industries, including industrial control, medical devices, and smart home applications. Our support team is knowledgeable about these sectors and can provide tailored advice on how to best utilize the module in various contexts .

FAQ:

What are the main features of the CH132HV01A?
The CH132HV01A is a 1.32-inch IPS color TFT LCD display module with a resolution of 360x360 pixels, supporting wide viewing angles and a brightness of 300 cd/m², making it suitable for various applications.

What is the operating temperature range of this module?
The CH132HV01A operates stably in a temperature range of -20℃ to +70℃, allowing it to adapt to various industrial and outdoor environments.

Can I customize the CH132HV01A?
Yes, we offer multiple customization options, including the FPC shape, interface type, and touch panel type to meet specific customer requirements.

What is the warranty policy for the CH132HV01A?
The CH132HV01A comes with a one-year warranty that covers manufacturing defects. Customers can receive support for any product issues that arise during the warranty period.

How can I obtain technical support if I encounter issues during use?
Customers can access assistance from our technical support team. Whether it's installation, configuration, or troubleshooting, our experts are ready to provide timely guidance.

Is it possible to request samples for evaluation?
Yes, we provide samples for customers to evaluate. This allows potential buyers to test the performance and suitability of the CH132HV01A before making bulk purchases.

What application fields is the CH132HV01A suitable for?
This module is widely used in various fields, including industrial control, medical devices, and smart home applications, demonstrating good market adaptability.

What does the after-sales service include?
Our after-sales service encompasses installation assistance, ongoing consultations, and technical support to ensure customers can fully utilize the capabilities of the CH132HV01A.

How can the long-term stability of the CH132HV01A be ensured?
The CH132HV01A is made from high-quality materials and advanced manufacturing processes, allowing it to operate reliably across a wide temperature range and ensuring good durability.

How can customers provide feedback on their experience or suggestions?
We encourage customers to share their experiences and suggestions through our official website or customer service hotline to help us continuously improve our products and services.