



LVDS Interface Color Display Module 10.1" 1280*800 Dots With CTP

Our Product Introduction

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Basic Information

- Place of Origin: China Shenzhen
- Brand Name: Chenghao Optoelectronic
- Certification: CE、RoHS、FCC
- Model Number: CH101WX05A-CTD
- 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 or Others
- Supply Ability: 20000000 pcs/month



Product Specification

- Product Name: Color Display Module
- Active Area: 216.576*135.36 Mm
- CTP IC: GT911
- Brightness: 700 Cd/m2 (optional)
- Backlight Type: 27 Pcs White LED
- Viewing Angle: 80/80/80/80
- Operating Temperature: -20 ~ +70
- Screen Size: 10.1 Inch
- Contrast Ratio: 800:1
- Highlight: LVDS Interface Color Display Module, Color Display Module with CTP



More Images





Product Description

Product Description:

CH101WX05A-CTD is a Color Display Module that integrates thin film transistor (TFT) and capacitive touch technology. It has a color display area of 1280x800 pixels, 700 cd/m² Luminance, 800 high contrast and 16M colors, making the display display clear and Bright pictures or videos. Thanks to the use of IPS display technology, this monitor also supports free viewing angles. Users can obtain good viewing angle effects when viewing the screen from different angles, which greatly increases the user experience. The touch panel installed on the surface of the module uses an I2C interface, which is the foundation for CH101WX05A-CTD to support human-computer interaction and provide customers with a sensitive multi-touch experience. CH101WX05A-CTD is a highly cost-effective Touchscreen LCD module, ideal for industrial control, medical equipment, automotive and other applications.

| | |
|-----------------------|---|
| Module No | CH101WX05A-CTD |
| Display Mode | Transmissive/Normally Black/IPS |
| Resolution | 1280x800 dots |
| Viewing Angle | Free Viewing Angle |
| Operating Temperature | -20 ~ +70 |
| Color | 16.7M |
| Luminance | 700 nits |
| Storage Temp | -30~+80 |
| Operating Temp | -20~+70 |
| Module Interface | LVDS (optional RGB/MCU/SPI/MIPI/HDMI...) |
| Touch Type | CTP |
| Touch Interface | I2C |

Customization:

As a professional LCD manufacturer, Chenghao Optoelectronic is committed to providing customers with customized products and services. Our engineering team has rich experience and professional knowledge, and can carry out personalized design and customization based on CH101WX05A-CTD according to the customer's project requirements.

For CH101WX05A-CTD, we provide the following customization options:

FPC shape customization: According to customer needs, we can modify the FPC shape, including structure and shape. This ensures a perfect match between the display module and customer equipment, improving overall performance and reliability.

Diversified interface selection: We provide a variety of interface types, including SPI, MCU, RGB, MIPI, LVDS, HDMI, etc. Customers can choose the most suitable interface type according to their own system requirements to achieve convenient integration and connection.

Technical Drawing of CH101WX05A-CTD

Top View (A): Shows the module's dimensions and internal components. Key dimensions include 10.1" TPT 34.78 COLOR, 1280*800 (RGB), and 80/80/80/80. The drawing also shows the lens, sensor, and display.

Side View (B): Shows the module's profile and mounting. Key dimensions include 10.1" TPT 34.78 COLOR, 1280*800 (RGB), and 80/80/80/80.

Detail View (C): Shows the LED array. Key dimensions include 10.1" TPT 34.78 COLOR, 1280*800 (RGB), and 80/80/80/80.

Table (D): Lists the module's specifications.

| ITEM | Definition |
|------|------------|
| 1 | GND |
| 2 | RST |
| 3 | SBA |
| 4 | SCL |
| 5 | INT |
| 6 | VCC |

Table (E): Lists the module's dimensions.

| ITEM | Definition |
|------|------------|
| 1 | GND |
| 2 | RST |
| 3 | SBA |
| 4 | SCL |
| 5 | INT |
| 6 | VCC |

Table (F): Lists the module's tolerances.

| ITEM | Definition |
|------|------------|
| 1 | GND |
| 2 | RST |
| 3 | SBA |
| 4 | SCL |
| 5 | INT |
| 6 | VCC |

Table (G): Lists the module's materials.

| ITEM | Definition |
|------|------------|
| 1 | GND |
| 2 | RST |
| 3 | SBA |
| 4 | SCL |
| 5 | INT |
| 6 | VCC |

Table (H): Lists the module's references.

| ITEM | Definition |
|------|------------|
| 1 | GND |
| 2 | RST |
| 3 | SBA |
| 4 | SCL |
| 5 | INT |
| 6 | VCC |

Table (I): Lists the module's notes.

| ITEM | Definition |
|------|------------|
| 1 | GND |
| 2 | RST |
| 3 | SBA |
| 4 | SCL |
| 5 | INT |
| 6 | VCC |

capacity is 20 million pieces/month and the warranty is 12 months.

FAQ:

Q: What is the Manufacturer Name of this product?

A: The Brand Name of this product is Chenghao Optoelectronic.

Q: What is the Model Number of this product?

A: The Model Number of this product is CH101WX05A-CTD.

Q: Where is this product made?

A: This product is made in China, Shenzhen.

Q: What certifications does this product have?

A: This product has CE, RoHS, and FCC certifications.

Q: What kind of packaging does this product have?

A: This product is packed in tray + carton for small sizes, and foam slot + carton for bigger sizes. Customized packages according to customers' requirements are also available.



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