

## 1920x480 Long Strip Lcd Display Screen 8 Inch MIPI Interface IPS TFT Screen

### Our Product Introduction

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#### Basic Information

- Brand Name: Chenghao Optoelectronic
- Certification: CE, ISO9001, Rose, SGS
- Model Number: CH800FH01A
- 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

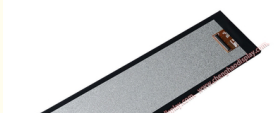


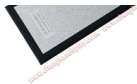
#### Product Specification

- Display Mode: IPS/Transmissive/Normally Black
- Screen Brightness: 500 Cd/m2
- Viewing Direction: 80/80/80/80
- Resolution: 480x1920 Dots
- Color: 16M
- Viewing Area: 219.48x55.32 Mm
- Storage Temperature: -30 ~ +80
- Outline Size: 231.3x64.3x4.8 Mm
- Highlight: 8 inch MIPI TFT screen, 1920x480 IPS LCD display, long strip LCD display screen



#### More Images





## Product Description

### Product Description:

The CH880FH01A, a specialized 8 inch long strip tft lcd module crafted by Chenghao Optoelectronic, is engineered to address the display needs of devices where space is limited yet visual clarity and reliability are non-negotiable. This module stands out in the market for its ability to fit into narrow installation spaces while delivering high-performance display functions, making it a go-to choice for clients across various industries seeking both practicality and quality.

Measuring 231.3x64.3 mm in overall size, the module features a visible area of 219.48x55.32 mm and an active area of 218.88x54.72 mm—dimensions that allow it to integrate seamlessly into devices like narrow-panel industrial controllers and compact smart home hubs without sacrificing display space. Structurally, it is a complete color active matrix TFT LCD assembly, combining a high-quality TFT LCD panel, precise driver ICs, a uniform backlight, and a flexible FPC. In terms of display capabilities, the 8 inch long strip tft lcd module excels in providing clear and vivid visuals. It adopts an IPS/transmissive/normally black display mode, which not only offers wide viewing angles of 80/80/80/80 degrees but also ensures that colors remain true and brightness stays consistent from any viewing position—critical for scenarios where multiple users may need to access the display simultaneously.



With a resolution of 480x1920 dots and support for 16M colors, it can render detailed text, complex graphics, and dynamic content with exceptional clarity, while its 500 cd/m<sup>2</sup> brightness guarantees readability in both well-lit and moderately dim environments.

The module also boasts strong environmental adaptability, operating reliably within a temperature range of -20 ~ +70 and tolerating storage temperatures of -30 ~ +80 . This makes it suitable for use in environments with fluctuating temperatures, from cold industrial warehouses to warm indoor spaces. Additionally, with a factory wholesale model (MOQ of 100 pieces), support for samples, and customization options, the CH880FH01A offers flexibility to meet the diverse needs of clients, whether they are in the R&D phase or require large-scale production.

### Features:

(1) Narrow-Space-Optimized Dimension Ratio: With a 231.3x64.3 mm module size and 218.88x54.72 mm active area, its elongated aspect ratio ensures maximum display coverage in slim device panels (e.g., narrow industrial controllers), avoiding the "wasted edge space" issue of traditional square modules.

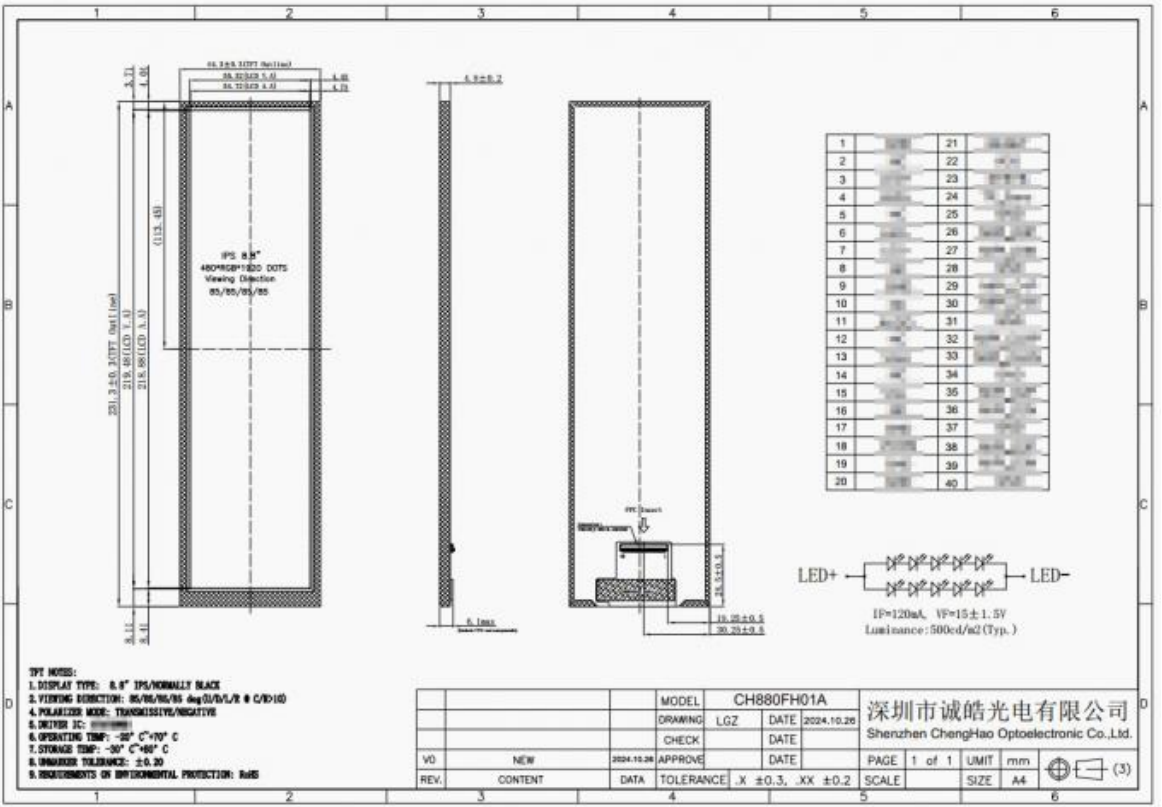
(2) Multi-User Friendly Visual Design: The IPS/transmissive/normally black mode, combined with 80/80/80/80 viewing angles and 16M color accuracy, eliminates visual differences between front and side views—ideal for scenarios where multiple users (like workshop staff or home residents) check the display simultaneously.

(3) Dual-Temperature Range Protection: Beyond supporting -20~+70 operational use, it tolerates -30~+80 storage conditions, preventing performance degradation from extreme temperature changes during transportation or warehouse storage.

(4) R&D-to-Production Flexible Support: Alongside 100-piece wholesale MOQ, it offers sample provision for R&D testing and customization options (e.g., FPC adjustments), bridging the gap between small-batch trial needs and large-scale production demands.

Technical Parameters:

Viewing Direction	80/80/80/80
Interface	MIPI
Active Area	218.88x54.72 Mm
Color	16M
Resolution	480x1920 Dots
Screen Brightness	500 Cd/m2
Viewing Area	219.48x55.32 Mm
Operating Temperature	-20 ~ +70
Outline Size	231.3x64.3x4.8 Mm
Contrast	800:1



Customization:

As a professional manufacturer of TFT LCD spare parts, Chenghao Optoelectronic focuses on providing targeted customization services for the CH880FH01A 8 inch long strip TFT LCD module (a spare part, not a finished product). All customization contents revolve around optimizing the module's adaptability to downstream device assembly, covering functional parameters, structural details, and touch-related upgrades, while ensuring the customized module maintains the stability and compatibility required for spare part integration.

#### 1. TFT LCD Functional Parameter Customization

To match the operating requirements of different downstream devices, functional parameter adjustments are offered for the TFT LCD core component. In terms of brightness customization, the standard 500 cd/m<sup>2</sup> luminance can be adjusted within the range of 200~800 cd/m<sup>2</sup>—lower brightness (200~300 cd/m<sup>2</sup>) for low-power smart home control spare parts, and higher brightness (600~800 cd/m<sup>2</sup>) for outdoor IoT device spare parts that need anti-glare performance. For interface type customization, the standard MIPI interface can be modified to SPI or parallel interfaces, adapting to the control system compatibility needs of older industrial equipment or specialized instrumentation, eliminating the need for clients to replace other spare parts in the device.

#### 2. FPC Shape & Structure Customization

As a key connecting component of the TFT LCD module (spare part), the FPC's shape and structure are fully customizable to fit the internal assembly space of downstream devices. Shape customization includes trimming the FPC into L-shaped, U-shaped, or irregular shapes, avoiding conflicts with other spare parts (such as capacitors and resistors) inside the device during installation. Structure customization covers adjusting the FPC's thickness (from 0.2mm to 0.5mm) and the number/position of pins—for example, increasing 2~4 signal pins for devices that need additional data transmission, or shortening the FPC length by 10~30mm to fit compact device interiors. All customized FPCs maintain the same signal transmission performance as the standard version to ensure stable integration with other spare parts.

#### 3. Screen Anti-Glare & Anti-Reflection Customization

To enhance the module's usability in different lighting environments (as a spare part for device assembly), anti-glare (AG) coating customization is provided for the screen surface. A matte AG coating is applied to the LCD panel, reducing light reflection by 60%~80% compared to the standard screen, making it suitable for device spare parts used in bright scenarios (such as industrial workshop equipment or outdoor IoT terminals). For clients with higher anti-reflection needs, an optional double-layer anti-glare + anti-reflection (AR) coating can be added, further minimizing glare under direct sunlight, ensuring clear display effects without affecting the module's thickness or assembly with other spare parts.

#### 4. Touch Function Installation Customization

For downstream devices that require touch operation, the CH880FH01A (as a TFT LCD spare part) can be upgraded with touch function installation—integrating a capacitive touch panel (CTP) onto the TFT LCD surface. The touch function supports 5-point simultaneous touch, with a response time ≤10ms, meeting the operation needs of smart home control panels, medical equipment, or industrial control devices. During installation, the touch module is attached as an independent spare part component, ensuring it does not damage the original TFT LCD structure and can be easily assembled with the module into the downstream device.

#### 5. Touch Panel Design Customization

For clients who need personalized touch operation experiences, touch panel design customization is offered (matching the touch function installed on the TFT LCD spare part). This includes size customization—adjusting the touch panel's active area to align with the CH880FH01A's 218.88x54.72 mm active display area, or slightly reducing it to fit the device's bezel design. Surface treatment customization covers anti-fingerprint (AF) coating (to reduce smudges on frequently touched panels) or anti-scratch hard coating (with a hardness of 3H~6H, suitable for industrial equipment spare parts prone to wear). Additionally, the touch panel's edge design can be customized to rounded edges (radius 1~3mm) to match the device's overall assembly aesthetics, ensuring the touch panel (as a spare part component) integrates seamlessly with the TFT LCD module and the downstream device.

### FAQ:

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

A: The brand name is Chenghao Optoelectronic.

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

A: The model number is CH880FH01A.

**Q: Where is this TFT LCD Display manufactured?**

A: This product is made in China, specifically in Shenzhen.

**Q: What certifications does this TFT LCD Display have?**

A: This TFT LCD Display is certified with CE, ISO9001, RoHS, and SGS.

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

A: The accepted payment terms are T/T, AliPay, and PayPal.



**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