



## 1280x480 Long Strip HD TFT LCD Display 40 Pins 6.86 Inch With MIPI Interface

### Our Product Introduction

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#### Basic Information

- Place of Origin: China Shenzhen
- Brand Name: Chenghao Optoelectronic
- Certification: CE RoHS FCC
- Model Number: CH686HD02A-CT
- Minimum Order Quantity: No Moq
- 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: HD TFT Lcd Display
- Module Size: 181\*69.5\*6.5 Mm
- Lcd Interface: MIPI
- Touch Panel Transmittance:  $\geq 87\%$
- Backlight Type: 12 White LED
- Touch Panel Type: IIC
- Display Mode: IPS / Transmissive / Normally Black
- Touch Panel Thickness: 1.1 Mm
- Touch Panel Cover Hardness: 6H
- Highlight: Long Strip TFT Lcd Display ,  
40 pins TFT Lcd Display ,  
1280x480 TFT Lcd Display

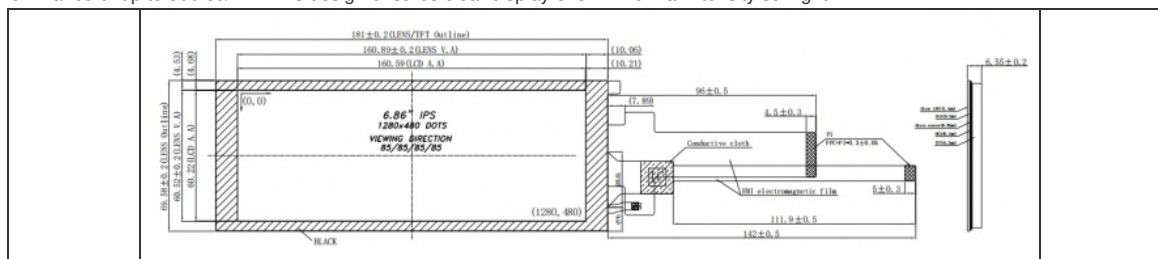


#### More Images



### Product Description:

The display module uses 12 LED beads embedded backlight component as its light source, which can produce white light with a luminance of up to 500 cd/m<sup>2</sup>. This design ensures clear display even in normal intensity sunlight.



The 6.86-inch full color LCD touchscreen display is designed to operate stably for a long time in temperature environments ranging from -20 ~ +70 degrees Celsius. When the power is off, it can be stored in an environment of -30 ~ +80 degrees Celsius.

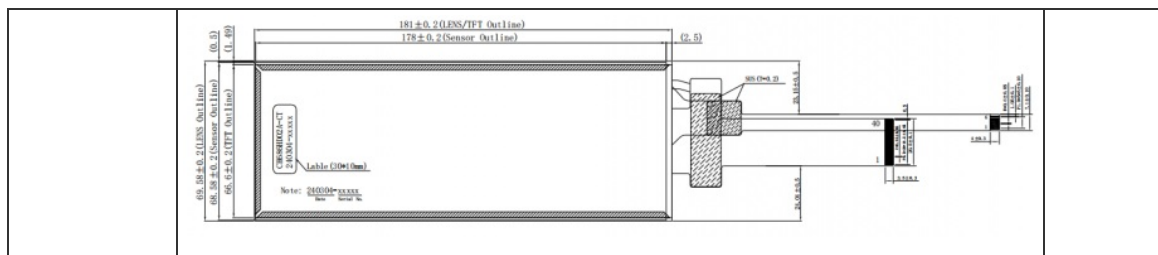
Finally, it's good to know that this touch screen module is RoHS-compliant and halogen-free, making it environmentally friendly.

Chenghao Optoelectronic CH686HD02A-CT is a car-grade touch screen display module with a unique long strip appearance, and it also has many excellent features to offer.

**Sunlight Readable:** The design of 500 cd/m2 luminance backlight allows the display to have good sunlight readability in general outdoor environments:

**Free viewing angle:** The use of IPS/Transmissive/normally black display mode expands the viewing angle of the display screen to 85/85/85/85, which means that users can get a good viewing experience when watching the screen from different viewing angles:

**Wide temperature resistance:** The display module as a whole adopts a wide temperature resistance design and can operate stably in an environment of -20~+70°C. This design allows the display module to better cope with various working conditions with rapid temperature changes, expanding the application range of the display module while also greatly improving the durability of the display module.



Product Attribute	Value
Product Name	Thin Film Transistor Capacitive Touchscreen
Touch LCD Module	Yes

Touch TFT	Yes
FPC Pin Number	40 pins
Storage Temperature	-30 ~ +80°C
Touch Panel Thickness	1.1 mm
Backlight Brightness	500 Cd/m2
Module Size	181 x 69.5 x 6.5 mm
Touch Panel Type	IIC
LCD Interface	MIPI
Resolution	1280 x 480 dots
Contrast	800:1
Touch Panel Operating Voltage	2.8 ~ 3.3 V

## Applications:

Chenghao Optoelectronic CH686HD02A-CT is a medium-sized LCD touch screen display module. The most notable appearance feature of this touch screen module is its unique long strip design. This design breaks the limitations of traditional rectangular screens and uses long strips to. This unique shape enables it to adapt to more special installation environments and application scenarios.

(1) In commercial places, long strip displays can be installed along the door frames and counter edges of shops, which not only does not take up too much space, but also can be cleverly integrated into the environment to form a unique visual display effect;

(2) Long strip displays also have significant advantages in visual effects. Its high definition and long life make it widely used in medical, industrial control and other fields. For example, in medical equipment, long strip displays can display patients' physiological data and diagnostic results in real time. Their high definition and stability are very suitable for such applications.

(3) In the field of industrial control, long strip displays are used to display various parameters and data, and their high definition and long life are also very suitable.

(4) In the field of automobile manufacturing, long strip displays can be better integrated into various components of the car, allowing the narrow interior space of the car to be fully utilized. For example, a long strip display can be placed on a car's odometer or center console to display corresponding vehicle information.

## FAQ:

**Q: What is the brand 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 CH686HD02A-CT.

**Q: Where is this product manufactured?**

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

**Q: What certifications does this product have?**

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

**Q: What are the packaging details for this product?**

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 can also design packages according to customers' requirements.

**Q: What payment terms are accepted for this product?**

A: We accept TT (telegraphic transfer) or other payment terms.

**Q: Is there a minimum order quantity for this product?**

A: No, there is no minimum order quantity for this product.

**Q: What is the delivery time for this product?**

A: The delivery time for this product is 3 to 7 days.

**Q: What is the supply ability for this product?**

A: The supply ability for this product is 20,000,000 pcs/month.



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