



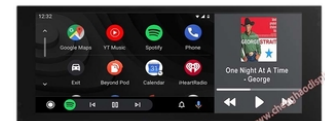
High Brightness 6.86 Inch Widescreen TFT Display 1280x480 Dots 40pins Mipi Interface

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: 6.86 Inch Widescreen Tft Display
- Active Area Size: 160.6*60.2 Mm
- FPC Pin Number: 40pins
- Resolution: 1280x480 Dots
- Touch Panel Operating Voltage: 2.8~3.3 V
- Backlight Brightness: 500 Cd/m2
- Touch Panel Cover Hardness: 6H
- Contrast: 800:1
- Color: 16.7M
- Highlight: 1280x480 dots TFT Display,
40pins mipi interface TFT Display,
6.86 Inch TFT Display



More Images





Product Description

Product Description:

Chenghao Optoelectronic CH686HD02A-CT is a medium-sized capacitive color touch screen display module that can be used for various applications. The display module has an appearance size of 181*65.6*6.6mm and a display area size of 6.86 inches. It can output color images with 16M colors and 1280*480 resolution. The display uses IPS/Transmissive/Normally Black display mode and has the best viewing angle of 85/85/85/85 degrees. To communicate with external devices, it uses MIPI interface.

The display module uses a backlight component with 12 LED beads embedded as its light source. The backlight component can produce white light with up to 500 cd/m2 luminance, which enables the display to display clearly even under normal intensity sunlight.

In order to meet customers' demand for touch sensing of display modules, we installed a black touch glass cover with capacitive touch sensing for this display module. This cover is 1.65 mm thick, with a light transmittance of over 87%. It has an embedded GT911 driver IC using an I2C interface and can operate normally with an input voltage of 2.8~3.3v.

This 6.86-inch full-color LCD touchscreen display module also adopts a wide temperature design, which makes it suitable for long-term operation in an environment of -20 ~ +70 degrees Celsius. When the power is off, it can be stored normally in an environment of -30 ~ +80 degrees Celsius.



Finally, it is important to note that this touch screen module is RoHS-compliant and halogen-free, which means that it is environmentally friendly and safe to use.

Features:

Chenghao Optoelectronic CH686HD02A-CT car-grade touch screen display module

The Chenghao Optoelectronic CH686HD02A-CT display module is a specially designed car-grade touch screen display module with a unique long strip appearance and many excellent features.

High-definition resolution display

This display module has a performance of 16M colors and 1280*480 resolution, which enables it to output color videos or images with high-definition resolution.

Sunlight Readable

To ensure good sunlight readability in general outdoor environments, the display module has a design of 500 cd/m2 luminance backlight.

Touch sensing

The capacitive touch panel is combined with the GT911 driver IC to make this display module touch sensitive and fast, supporting multi-touch as well.

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.

Technical Parameters:

Product Attribute	Value
Product Name	Thin Film Transistor Capacitive Touchscreen
Backlight Type	12 White LED
Backlight Brightness	500 Cd/m2
Touch Panel Thickness	1.1 Mm
Module Size	181*69.5*6.5 Mm
Display Mode	IPS / Transmissive / Normally Black
Operating Temperature	-20 ~ +70°C
FPC Pin Number	40pins



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