

13.3-inch Diagonal Industrial TFT LCD Display Module with 1000nits Brightness and Capacitive Touch

Basic Information



Product Specification

- Product Type: TFT LCD Screen
- Viewing Angle: 85°/85°/85°/85°
- Touchscreen: Capacitive Touch Panel
- Screen Size: 13.3 Inches
- Resolution: 1920×1080 Pixels (RGB Stripe)
- Colors: 262K
- Color Gamut: 72% NTSC
- Contrast Ratio: 800:1
- Highlight: **13.3-inch Diagonal TFT LCD Display Module , 1000nits Brightness Industrial TFT LCD Screen , Capacitive Touch TFT LCD Panel**



13.3-inch Diagonal Industrial TFT LCD Display Module

Full HD 1080p with 1000nits Brightness, Capacitive Touch, and eDP Interface

Technical Specifications

Brightness	1000 Cd/m ² (Sunlight Readable)
Screen Size	13.3-inch Diagonal
Resolution	1920×1080 Pixels (RGB Stripe)
Storage Temperature	-20°C To +70°C
Operating Temperature	-30°C To +80°C
Touch Technology	Capacitive Touch Panel
Interface	2-lane EDP 1.2 (2.7Gbps)
Color Gamut	72% NTSC
Viewing Angles	85°/85°/85°/85°
Backlight Lifetime	50,000 Hours (LED, @25°C)
Surface Treatment	AG/AR/AF Coatings (Selectable)
Contrast Ratio	800:1 (Typical)
Surface Hardness	≥6H (Anti-Glare, Haze 10%)
IC Options	EETI, ILITEK, Cypress, Goodix
Environmental Resistance	Operational In Fog/Surface Moisture
Compliance	RoHS, Halogen-Free, ISO 9001/14001 (EU/US Certified)

Product Overview

This industrial-grade 13.3-inch TFT LCD display module features a 16:9 aspect ratio with an effective display area of approximately 293.76×165.24 mm. The Full HD 1920×1080 resolution delivers 16.7 million colors with IPS full-view technology, ensuring minimal color deviation across 178° viewing angles in all directions.

Key Features

High Brightness: 1000 cd/m² (nit) ensures clear visibility even in strong outdoor lighting conditions

Capacitive Touch: Projected capacitive (PCAP) multi-touch (10-point) with low latency and precise positioning

eDP Interface: 2-lane embedded display port 1.2 for high-speed digital transmission and simplified wiring

Industrial Reliability: Wide temperature range operation with 50,000-hour LED backlight lifetime

Surface Protection: Anti-glare (AG) + 3H hardness coating for scratch and wear resistance

Application Scenarios

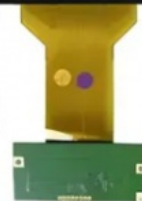
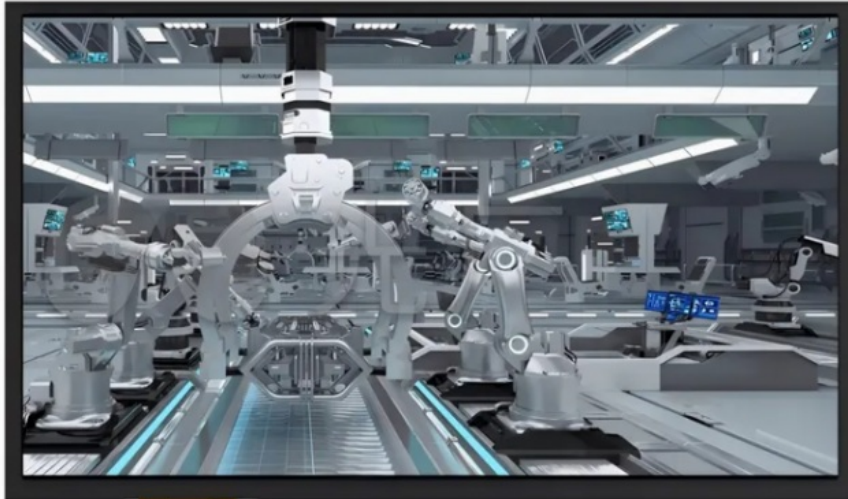
Industrial Automation: CNC machines, robot control panels, production line monitoring terminals, PLC human-machine interfaces

Medical Equipment: Portable ultrasound machines, patient monitors, dental treatment displays, laboratory instruments

Vehicle & Outdoor Equipment: Commercial vehicle central controls, logistics dispatch screens, outdoor self-service terminals

Military & Special Applications: Vehicle command terminals, portable radar displays with anti-interference capabilities

Commercial & Professional: High-end POS systems, financial self-service equipment, industrial tablets, security monitoring



Frequently Asked Questions

I want the LCD display 8 digits and the outline size is 65x30x2.8mm. Can you provide this?

Yes, we can accommodate custom specifications. Please provide your detailed specification drawings or samples. For standard products, we can recommend suitable options, or we can customize based on your specific requirements.

This LCD is what we want, but it's too large. Do you have smaller sizes with modified display content?

For segment type LCD modules requiring size or content modifications, we can create new LCD glass modules with custom tooling to meet your exact specifications.

This LCD display is HTN type, but I want STN type. Can you manufacture this?

Absolutely. We can modify the display type to STN or other technologies according to your requirements.

Can you customize a new LCD module for our application?

Yes, we specialize in custom LCD modules. Please provide your drawing specifications or detailed requirements including outline size, glass thickness, polarizer type, display specifications, connector mode, temperature ranges, supply voltage, viewing direction, and drive conditions.

What is the lead time for custom tooling?

Custom tooling typically requires 15-25 days after drawing confirmation and tooling charge payment. We will provide exact timelines upon project confirmation.

Can you provide samples for evaluation?

Yes, sample orders are available for customer evaluation and testing.

What are your standard lead times?

For standard products in stock, lead time is one day after payment. For mass production of custom orders, lead time is typically 15-30 days. We will communicate any schedule improvements in advance.



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