

High Brightness 15.6 inch FHD 1000nit TFT Display Module for Industrial Outdoor Rugged Applications

Our Product Introduction

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Basic Information



Product Specification

- Screentype: LCD TFT
- Brightness: 1000 Cd/m²
- Backlight Technology: LED
- Pins Number: 30 PINS
- Viewing Direction: 85°/85°/85°/85° (CR≥10)
- Color Depth: 16.7M Colors (6bit + FRC)
- Size: 15.6 Inches
- Touch Screen: Without Touch Screen (Customizable)
- Highlight: **1000nit Brightness TFT Display Module, 15.6 inch FHD LCD TFT Screen , Industrial Outdoor Rugged TFT LCD Module**



High Brightness 15.6" FHD 1000nit TFT Display Module

Designed for industrial, outdoor and rugged applications requiring superior visibility and durability.

Technical Specifications

Item	Specification	Unit
Screen Size	15.6" diagonal	
Driver Element	a-si TFT active matrix	-
Pixel Number	1920 x R.G.B. x 1080	pixel
Pixel Pitch	0.17925 (H) x 0.17925 (V)	mm
Pixel Arrangement	RGB vertical stripe	-
Display Colors	16.7 m	color
Transmissive Mode	Normally Black	-
Surface Treatment	Hard coating (3H), Anti-Glare	-
Power Consumption	Cell 0.891W(Max.)	-
Operating Temperature	-20°C to +70°C	°C
Storage Temperature	-30°C to +80°C	°C

Key Features

Ultra-Bright Display: 1000 nit brightness ensures clear visibility under direct sunlight with FHD 1920x1080 resolution and 16.7M color depth

Industrial-Grade Durability: Wide operating temperature range (-20°C to +70°C) with 3H hard coating and anti-glare surface treatment

Rigorous Testing: Passes 240-hour high-temperature/humidity (60°C, 90%RH) and thermal shock tests for long-term reliability

Flexible Interface: 30-pin eDP interface with PWM backlight dimming (190Hz-2kHz) for optimal brightness control

LED Driver Optimization: Built-in converter with up to 31V output voltage and multi-channel current balancing

RoHS Compliant: Lead-free materials meeting EU environmental standards

Low Power Consumption: Typical power draw of 0.891W balances energy efficiency and performance

Applications

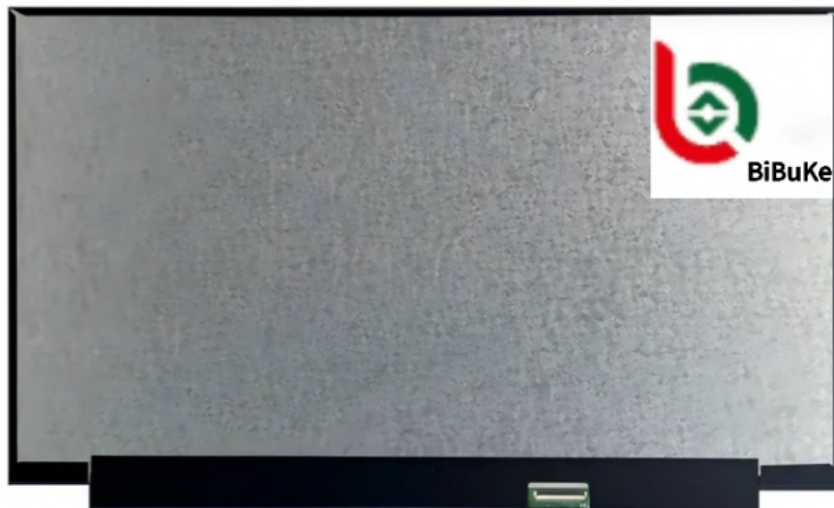
Industrial automation: PLCs, control panels, medical monitors

Outdoor digital signage: Bus stops, retail POS displays, kiosks

Automotive systems: GPS navigation, vehicle infotainment, surveillance screens

Specialized environments: Military, aviation, port equipment

Request a Sample: Contact our EU/US support team at sales2@saef.com.cn for standard CTP solutions (suitable for outdoor use, industrial grade) and customization options.



Frequently Asked Questions

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

No problem. Please send us your specification/drawing paper. If you don't have specifications, you can provide samples; we will recommend suitable standard products or customize based on your requirements.

This LCD is just what we want, but it is big size, do you have any smaller size? And the display content need to be changed a little.

For segment type LCD modules, if you need to modify the outline size or display content, a new LCD glass module is required. We would need to create new tooling for you.

This LCD display is HTN type, but I want STN type, can you make?

Yes, we can change the display type according to your request.

I want to customize a new LCD module. Can you do?

Yes, we can customize for you. Please send your drawing paper. If you don't have one, please provide the outline size, display information (glass thickness, polarizer, display type, connector mode, storage temp, operating temp, supply voltage, viewing direction, drive condition).

What is the lead time for tooling?

Generally, it takes 15 to 25 days after drawing paper confirmation and tooling charge payment. We will provide the exact timeline when you confirm the drawing paper.

Can you send us samples for checking?

Yes, sample orders are available.

What is the lead time?

For standard products in stock, lead time is one day after payment. For mass production of special orders, lead time is approximately 15-30 days. We will inform you in advance if we can finish earlier.



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