

<Color TFT-LCD Module >

# AA121TH01

12.1 inch WXGA  
FOR INDUSTRIAL USE

AA121TH01



## FEATURES

- Slim Design (D=9.7mm)
- High Contrast Ratio 1000:1
- Super Wide Viewing Angle (-85~85° H,V)
- LED driver Implemented
- LED Lifetime 100,000h (Typ.) \*1), \*2)
- Wide Operation Temperature Range (-30~80°C)
- Natural Color Matrix \*3)

\*1) LED life time is defined as the time when the brightness becomes 50% of the initial value.

\*2) The life time of the backlight depends on the ambient temperature. The life time will decrease under high temperature.

\*3) Natural Color Matrix brings more vivid color that is closer to original image.

## SPECIFICATION

ITEM	SPECIFICATION
Display Area (mm)	261.12 (H) × 163.2 (V) (12.1-inch diagonal)
Number of Dots	1280 × 3 (H) × 800 (V)
Pixel Pitch (mm)	0.204 (H) × 0.204 (V)
Color Pixel Arrangement	RGB vertical stripe
Display Mode	Normally black
Number of Color	262k(6 bit/color), 16.7M(8 bit/color)
Luminance (cd/m <sup>2</sup> )	500
Viewing Angle (CR ≥ 10)	-85~85°(H), -85~85°(V)
Surface Treatment	Anti-glare and hard-coating 3H
Electrical Interface	LVDS (6 bit/8 bit)
Viewing Direction	Higher Contrast ratio: 6 o'clock Less gray scale reversal: 12 o'clock
Module Size (mm)	283.0 (W) × 185.1 (H) × 9.7 (D)
Module Mass (g)	580
Backlight Unit	LED, Edge-light

Characteristic value without any note is typical value.

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