

<Color TFT-LCD Module >

AA121TH01-DE1

12.1 inch WXGA
FOR INDUSTRIAL USE

AA121TH01-DE1



FEATURES

- Touch panel attached (Projective capacitive)
- Touch panel controller implemented
- High Contrast Ratio 1000:1
- Super Wide Viewing Angle (-85~85 H,V)
- LED driver implemented
- LED Lifetime 100,000h (Typ.) *1), *2)
- 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 ²)		400
Viewing Angle (CR ≥ 10)		-85~85°(H), -85~85°(V)
Cover Glass	Cover Glass Surface	Clear
	Thickness (mm)	1.8
	Glass Type	Strengthened glass
	Surface Hardness	5H
Electrical Interface		LVDS (6 bit/8 bit)
Module Size (mm)		303.0 (W) × 205.1 (H) × 15.3 (D)
Module Mass (g)		980
Backlight Unit		LED, Edge-light
Touch Panel		Projective capacitive
Touch Panel Interface		UART / USB *1)

Characteristic value without any note is typical value.

*1) UART: Universal Asynchronous Receiver Transmitter

UART and USB are used exclusively.

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