

<Color TFT-LCD Module >

AA121XN01-DE2

12.1 inch XGA
FOR INDUSTRIAL USE

AA121XN01-DE2



FEATURES

- Touch panel attached (Projective capacitive)
- Touch panel controller implemented
- 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)		245.76 (H) × 184.32 (V) (12.1-inch diagonal)
Number of Dots		1024 × 3 (H) × 768 (V)
Pixel Pitch (mm)		0.240 (H) × 0.240 (V)
Color Pixel Arrangement		RGB vertical stripe
Display Mode		Normally white
Number of Color		262k(6 bit/color), 16.7M(8 bit/color)
Luminance (cd/m ²)		600
Viewing Angle (CR ≥ 10)		-80~80°(H), -80~80° (V)
Cover glass	Cover Glass Surface	Clear
	Thickness (mm)	1.8
	Glass Type	Strengthened glass
	Hard-coating	5H
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)		281.8 (W) × 220.8 (H) × 15.3 (D)
Module Mass (g)		1000
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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