Mitsubishi AA121TD02 - Panelook specification summary (not the manufacturer datasheet)

Kaynak: https://www.panelook.com/AA121TD02_Mitsubishi_12.1_LCM_parameter_24377.html (2026-10-31)

Mitsubishi AA121TD02 Application Details

Basic Information :	Manufacturer	MITSUBISHI	Model	AA121TD02
	Type	a-Si TFT-LCD, LCM	Used For	
	Screen Size	12.1 inch	Another	-
Environment :	Storage	-30 ~ 80 °C	Operating	-30 ~ 80 °C
	RoHS	RoHS	Vibration	1.0G (9.8 m/s²)
Typical Features :	WT WLED ≥100K Hours LED Driver 6 9 6/8 bit Matte			

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Mitsubishi AA121TD02 Optical Details

Basic Information :	Luminance	450cd/m² (Typ.)	Contrast Ratio	700:1 (Typ.) (Transmissive)
	Viewing	80/80/80/60 (Typ.)	Display Mode	TN, Normally White, Transmissive
	View	6 o'clock	Response	4/12 (Typ.)(Tr/Td)
Color Performance :	White	Wx:0.313; Wy:0.329	Display Colors	262K/16.7M (6-bit / 6-bit + Hi-FRC)
	Color Temp.	6485K	White	1.30 (Max.)(5 points)
Display Gamut :	NTSC Ratio	39% NTSC (CIE 1931)	sRGB	55% coverage (CIE 1931)
	Adobe RGB	41% coverage (CIE	DCI-P3	41% coverage (CIE 1931)
	Rec.2020	29% coverage (CIE	Low Blue	-

Disclaimer : This was entered by panelook engineers based on the datasheet, but we cannot guarantee that the listed specifications are completely accurate.

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Mitsubishi AA121TD02 Mechanical Details

Pixel Features :	Resolution	1280(RGB)×800, WXGA	Dot Pitch	0.068×0.204 (H×V) mm
	Pixel Format	RGB Vertical Stripe	Pixel Pitch	0.204×0.204 (H×V) mm [124PPI]
Mechanical Size :	Active Area	261.12(H)×163.2(V) mm	Bezel Area	263.52(H)×165.60(V) mm
	Overall Size	283(H)×185.1(V) mm	Overall Depth	9.7±0.5 mm
Outline Features :	Form Style	Flat Rectangle	Shape Style	-
	Aspect Ratio	16:10 (H:V)	Orientation	Landscape type
Mounting :	Side mounting holes (4-M3) on left, right bezel			
Other Spec :	Weight	620g (Typ.)	Surface	Antiglare, Hard coating (3H)

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Mitsubishi AA121TD02 Electronics Details

Frame Rate :	60Hz
Reverse Scan :	Yes (180°)
Total Consumption:	9.4W (Typ.)

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Mitsubishi AA121TD02 Interface Detail

Signal Electrical :	Voltage	3.3V (Typ.)		Current	650/890mA (Typ./Max.)	
	Consumption	2.15W (Typ.)				
Signal Type :	LVDS (1 ch, 6/8-bit)			Logic Voltage	-	
Interface Features :	Position	-		Type	Connector	
Interface Detail :	Manufacturer	Part #	Pitch	Pins	Qty	Pin Configuration
	I-PEX	20186-020E-11F	1.25 mm	20 pins	1 pcs	LVDS-20P1C8B-010H

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Mitsubishi AA121TD02 Backlight Details

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Backlight Features :	Type	WLED	Qty	-	Position	Edge light type (Bottom side)
	Replacement	No	Shape	-	Life Time	100K (Typ.) hrs
Interface Features :	Position	-		Type	Connector	
Interface Detail :	Manufacturer	Part #	Pitch	Pins	Qty	Pin Configuration
	JAE	FI-S6P-HFE	1.25 mm	6 pins	1 pcs	-
Backlight Driver :	With LED Driver					
Driver Electrical :	Voltage	12.0±1.2V		Current	650/890mA (Typ./Max.)	
	Consumption	7.8W (Typ.)				

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Mitsubishi AA121TD02 Specification Source

	File Number	Version	Language	Issue Date
File Referenced :	-	20100713	English	2010 - 7 - 13
Spec Latest Update :	2020-12-03 11:29			

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Mitsubishi AA121TD02 Datasheets Download

Datasheet	Version	Language	Issue Date	File Size	Pages	Latest	
AA121TD02 Datasheet	20100713	English	2010-7-13	781.8 K	25	Latest	Paid Download
AA121TD02 Datasheet	20100326	English	2010-3-26	772.4 K	24		Download Now

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Mitsubishi AA121TD02 Summary

Mitsubishi Electric Corporation (hereafter called Mitsubishi) AA121TD02 is a 12.1 inch diagonal a-Si TFT-LCD display screen product, with an incorporated WLED lighting system, With LED Driver, without touch screen. Based on datasheet with version of 20100713 which was released out on 7 13 2010, AA121TD02 supports display 1280(RGB)×800 (WXGA) with aspect ratio of 16:10 (W:H), whose pixels are arranged in RGB Vertical Stripe. As for mechanical detail, it features active area of 261.12(W)×163.2(H) mm, outline size of 283(W)×185.1(H)×10.2(D) mm, viewing area size of 263.52(W)×165.60(H) mm, with surface treament of Antiglare, Hard coating (3H), net weight of 620g (Typ.). As a TN, Normally White, Transmissive LCM product, AA121TD02 can provides 450 cd/m² display brightness 700:1 transimissive contrast ratio, 80/80/80/60 (Typ.)(CR≥10) (L/R/U/D) viewing angle, best view direction on 6 o'clock , and response time of 4/12 (Typ.)(Tr/Td) ms. Gray scale or the brightness of the sub-pixel is determined with a 6-bit / 6-bit + Hi-FRC gray scale signal for each dot, thus presenting a palette of 262K/16.7M colors, also with performance of color gamut 40% (NTSC). This product adopted WLED as it's backlight systerm which was placed as Edge light type (Bottom side) and have a working life time of 100K hours, With LED Driver. AA121TD02 utilizes LVDS (1 ch, 6/8-bit) as it's signal inputting systerm, which connected by 20 pins Connector with power supply voltage of 3.3V (Typ.). It's typical vertical frame rate (Fv) is 60Hz. For more latest product detail of AA121TD02 We strongly recommend that you should refer to datasheet listed on Panelook.com or contact with Mitsubishi or it's distributor.