

Introducing LMG259A -121X1

A 1,600 nits 12.1" Sunlight Readable LCD Module



The LMG259A-121X1 is a 12.1" Sunlight Readable LCD module. The module consists of a CMI G121X1-L03 TFT LCD panel and a VHB (very high brightness) LED backlight. At the full brightness setting, the LCD screen lumiance reaches 1,600 Cd/m² (nits). At this brightness, the total backlight power consumption is about 10 Watts.

With 1,600 nits screen brightness, the display is highly readable under bright ambient lighting, including direct outdoor sunlight. Also, the CMI G121X1-L03 is an industrial LCD with a very wide operating temperature range from -30 °C to 80 °C, making this LCD module specifically suitable for demanding outdoor applications. The LMG259A-121X1 is a direct replacement for the LMG207C-121X1-L01 with the same mechanical dimensions and the mounting hole locations.

Characteristics

Parameters	Typical Value	Conditions
LCD Screen Lumiance Front Surface	1,600 Cd/m ² AR Coating	LCD displays the brightest white Anti-reflective
Backlight Power Consumption	10 Watts	
Typical LCD Contrast Ratio	900:1	White vs. Black
Operating Temperature Range	-30 °C to 80 °C	
LCD Module Weight	550 Grams	
Typical Viewing Angles	80°/80°/70°/70° (L/R/U/D)	

For pricing and availability, please contact our Sales Team.

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