

Sigma L Series TFT-LCD Display

The AMT Sigma L series is an integrated TFT-LCD display (LCD) designed to simplify your development process and provide scalable solutions. This solution seamlessly combines LVDS, and LED driver control signals into one connector. With uniform PIN definitions, the Sigma LCD ensures high compatibility, enabling effortless integration into various customer systems and significantly reducing setup time. It is designed to meet the needs of various environments, including outdoor, semi-outdoor, industrial, medical, public commercial, kiosk...etc.



Front View



AD104

Sigma LCD Features

- IPS with high contrast ration 1000:1 display mode.
- Integrated LVDS, and LED driver control signals into a single 51-pin connector.
- Simplify interface cables into one common cable for all sizes.
- High-brightness LCD suitable for outdoor applications.
- Longer LED lifetime for better system durability.
- Wide operating and storage temperature range.
- Built-in panel driver and backlight driver with PWM for dimming.

Sigma LCD Advantages

- Décor glass can be added and customized according to customer needs.
- Anti-UV design meets ASTM G154-Cycle 1 1000-hour standards if adding a décor glass.
- Designed with ESD and EMC protection to meet IEC 61000 standards.
- Optional AD104 AD Board available.
- Pre-compliance with CE and UL certifications saves time in the product certification process.
- Long-term supply and expert services.

Sigma LCD Specifications

Sigma LCD Model								
Model	Size	Part Number	Brightness	LED Lifetime	Resolution	Operating Temp.	Active Area (mm)	Outline (mm)
L7	7"	26-S0700-A7W-L00	1000	70K	1024x600	-30~85°C	154.21x85.92	164.9x100x3.6
		26-S0700-55W-L00	500	50K				
L10	10.1"	26-S1010-A7W-L00	1000	70K	1280x800	-30~85°C	216.96x135.6	229.8x149x6
		26-S1010-55W-L00	500	50K				
L12	12.1"	26-S1210-A7T-L00	1000	70K	1280x800	-20~70°C	261.12x163.2	277.7x180.7x6
		26-S1210-55T-L00	500	50K				
L156	15.6"	26-S1560-A5W-L00	1000	50K	1920x1080	-30~85°C	344.16x193.59	363.8x215.9x8.1
		26-S1560-55W-L00	500	50K				
L215	21.5"	26-S2150-A5T-L00	1000	50K	1920x1080	-20~70°C	476.64x268.11	495.6x292.3x11.35
		26-S2150-55T-L00	500	50K				

AD104 Specifications

AD104 AD Board (Optional)	
Input Signal	VGA, HDMI, DP, STEREO AUDIO (PC AUDIO)
Support Mode	VGA, SVGA, XGA, SXGA, UXGA, HD, Full HD
Output Signal	Dual channels LVDS
Power Input	DC 12~24V +/- 10% (PXC 3Pin Connector)
Temperature	-30°C ~ 80°C (Operating) / -40°C ~ 80°C (Storage)
OSD	Physical OSD optional, soft OSD available

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* Specifications subject to change without prior notice