

IDK-2112

12.1" 1,200 cd/m² Ultra High Brightness Industrial Display Kit with LED B/L

NEW



Features

- 12.1" LCD supports 800 x 600 pixels and wide operating temperature (-20 ~ 70° C)
- Ultra-high brightness of 1200 cd/m² with LED backlight
- High contrast ratio of 600:1
- High uniformity of 85%
- Superior sunlight readability
- LVDS signal interface
- Low power consumption 9.46 W
- AR surface treatment (optional)
- Manually VR brightness control (optional)
- Auto-dimming solution with light sensor (optional)
- Optical bonding (optional)

Introduction

The Advantech IDK-2112 series comes with a 12.1" 1200 cd/m² industrial grade LCD display, and an LED driving board. The series is also available with flexible options for touch screens and enhanced treatment such as AR surface treatment and optical bonding solution. IDK-2112 series supports 1200 cd/m² high brightness with low power consumption at the maximum consumption of 9.46 W. Equipped with high level of brightness and wide operating temperature, IDK-2112 provides superior sunlight readability and is perfect for applications whether in semi-outdoor or outdoor environments.

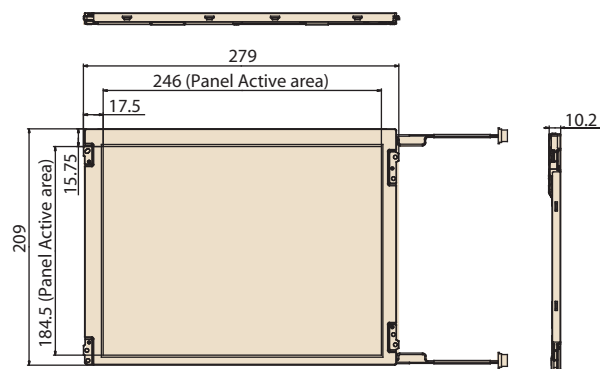
Specifications

LCD Panel	Display Size	12.1" LED backlight panel
	Resolution	800 x 600
	Viewing Angle (U/D/L/R)	50° / 60° / 80° / 80°
	Brightness	1200 cd/m ²
	Contrast Ratio	600 : 1
	Response Time (ms)	35 ms
	Colors	262 K/16.2 M
	Voltage	3.3 V
	Power Consumption	9.46 W
	Signal Interface	1 channel LVDS
LED Driver Board	Weight	650 g (N series)
	Dimensions (W x H x D)	N series: 279.0 x 209.0 x 12.0 mm R series: 279.0 x 209.0 x 13.1 mm
	Efficiency	85%
Touch Screen (R series)	Output Current & Voltage	500 mA / 17.6 V
	Dimensions (W x H x D)	70 x 16 x 5 mm
	Touch Screen	5-Wire Resistive
Environment	Light Transmission	80%
	Durability	1 million times.
	Operating Temperature	-20~ 70° C
	Storage Temperature	-30 ~ 85° C
	Humidity	5 ~ 95% @ 40° C, non-condensing

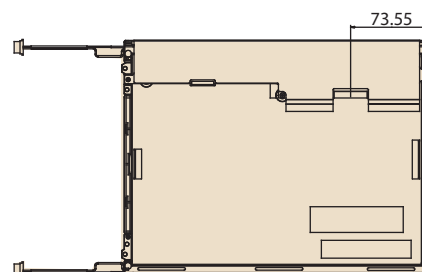
Dimensions

Unit: mm

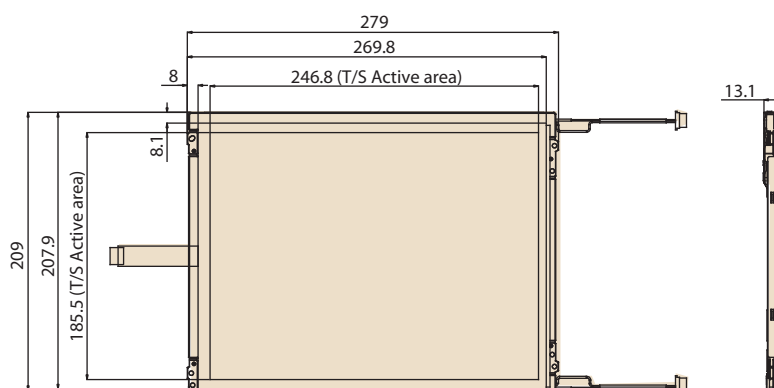
IDK-2112N Series



Back Side



IDK-2112R Series



Ordering Information

Part No.	Size	Brightness (cd/m ²)	Interface	Touch screen	Touch Interface
IDK-2112N-K2SVA1E	12.1"	1200	LVDS	N/A	N/A
IDK-2112R-K2SVA1E	12.1"	1200	LVDS	5-Wire Resistive	RS-232/USB

IDK Naming Rule

IDK - 2 1 21 W R - K2 FH A1E

Code	IDK Type	Code	Panel Size	Code	Panel Type	Code	Brightness	Code	Resolution
1	Standard Brightness	07	7"	NA	4:3	20	200	VG	VGA
2	High Brightness	10	10.4"	W	Wide	30	300	SV	SVGA
		15	15"			50	500	XG	XGA
		18	18.5"			80	800	SX	SXGA
		21	21.5"			1K	1000	HD	HD
						K2	1200	FH	FHD
						K7	1700		

Code	Enhanced Treatment
1	NA
2	AR
3	Optical Bonding

Code	Touch Solution
N	Non touch
R	Resistive
C	Capacitive
G	Glass Only
P	PCT

Code	Revision