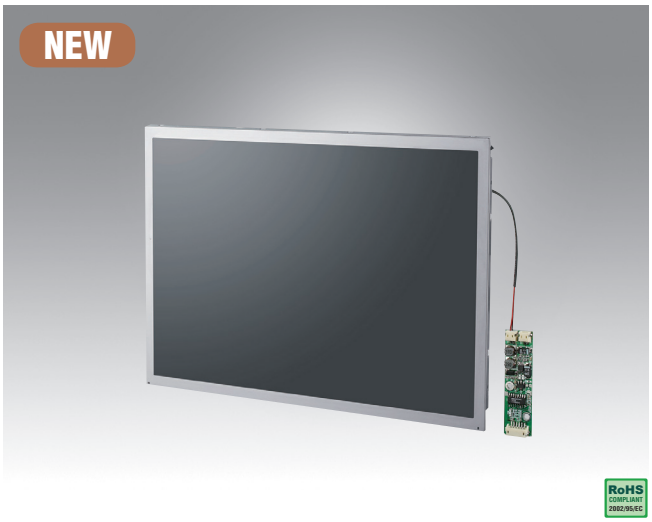
IDK-2108

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



Features

- 8.4" LCD supports 800 x 600 pixels and wide operating temperature (N series: -20 ~ 70° C ; R series:-10 ~ 60° 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 5.85 W
- 4W resistive touch solution (optional)
- Anti-Reflection surface treatment (optional)
- Manually VR brightness control (optional)
- Auto-dimming solution with light sensor (optional)
- Optical bonding (optional)

Introduction

The Advantech IDK-2108 series comes with a 8.4" 1200 cd/m² industrial grade LCD display, and an LED driver board. The series is also available with flexible options for 4-wire resistive touch screens and enhanced treatment such as Anti-Reflection surface treatment and optical bonding solution. IDK-2108 series supports 1200 cd/m2 high brightness with low power consumption at the Typical consumption of 5.85W. Equipped with high level of brightness and wide operating temperature, IDK-2108 provides superior sunlight readability and is perfect for applications whether in semi-outdoor or outdoor environments.

Specifications

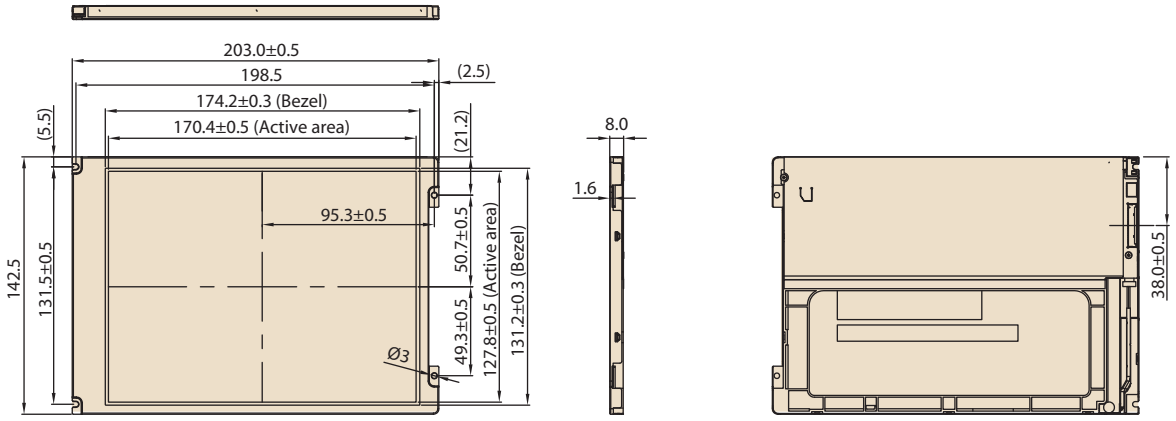
LCD Panel	Model	IDK-2108
	Display Size	8.4" LED backlight panel
	Resolution	800 x 600 (SVGA)
	Viewing Angle (U/D/L/R)	80°/60°/80°/80°
	Brightness	1200 cd/m²
	Contrast Ratio	600 : 1
	Response Time (ms)	30 ms
	Colors	6bit (262K)/8bit (16.2M)
	Voltage	3.3 V
	Consumption	5.85W
	Signal Interface	1 channel LVDS
	Weight	N series: 260 g R series: 338.5 g
	Backlight Life (hrs)	50,000hrs
	Dimensions (W x H x D)	N series: 203 x 142.5 x 8.0 mm R series: 203 x 142.6 x 10.3 mm
LED Driver Board	Efficiency	90%
	Output Current & Voltage	500 mA / 8.9 V (Min)
	Dimensions (W x H x D)	60 x 16 x 5 mm
Touch Screen (R series)	Touch Screen	4-Wire Resistive
	Light Transmission	82.5%
	Surface Hardness	3H
	Durability	1 million times
Environment	Operating Temperature	N series: -20 ~ 70° C R series:-10 ~ 60° C
	Storage Temperature	N series: -30 ~ 85° C R series: -30 ~ 70° C
	Humidity	90% @ 39°C., non-condensing

All product specifications are subject to change without notice

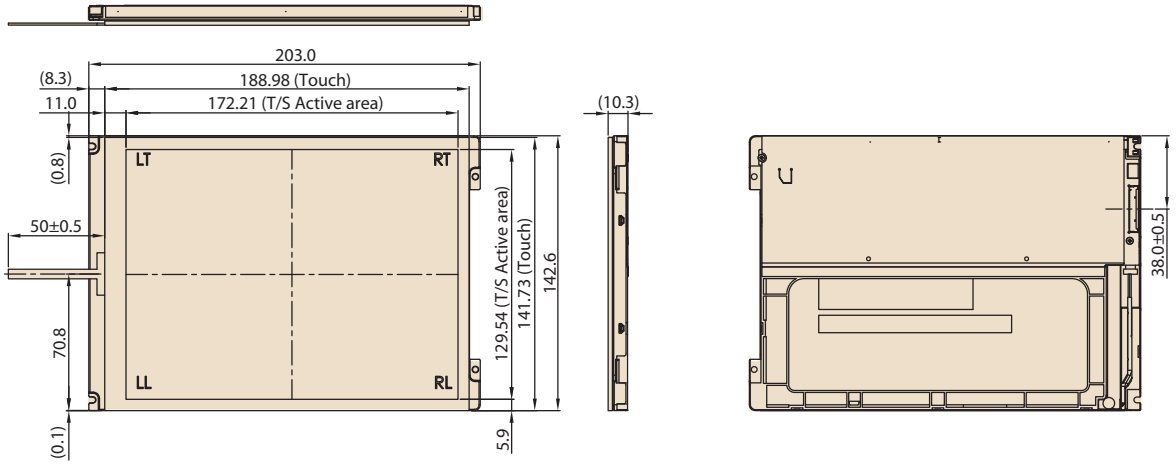
Dimensions

Unit: mm

IDK-2108N Series



IDK-2108R Series



Ordering Information

Part No.	Size	Brightness (cd/m²)	Interface	Touch screen	Touch Interface
IDK-2108N-K2SVA2E	8.4"	1200	LVDS	N/A	N/A
IDK-2108R-K2SVA2E	8.4"	1200	LVDS	4-wire Resistive	USB

Packing List

Part Number	Description
ETM-RES05C-EEH4EE	1 x 4-wire Touch controller
1700020324-01	1 x USB cable

Note: Package contents are subject to change without prior notice

Optional Order

SBC Part No.	LVDS cable P/N	Display interface	B/L cable P/N	Touch interface	Touch power input
MIO-5270	96CB-L2040PAB4	Single channel 18bit LVDS (SVGA)	96CB-E0405PIB3	USB	5V
PCM-9362	96CB-L2020PAB2	Single channel 18bit LVDS (SVGA)	96CB-E0405PIB3	USB	5V
AIMB-270	96CB-L2040PAB4	Single channel 18bit LVDS (SVGA)	96CB-E0405PIB3	USB	5V

For more compatible embedded board solution, please visit our Build Your display web page as bellow
http://www.advantech.com/buildyourdisplay