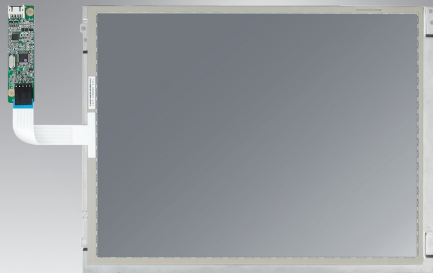


IDK-1112

12.1" SVGA Industrial Display kit with Touch Solution

NEW



Features

- 12.1" LCD supports 800 x 600 pixels and wide operating temperature (-20 ~ 70° C)
- Brightness of 450 cd/m² with LED backlight
- 5-wire resistive touch solution
- High contrast ratio of 700:1
- High uniformity of 75%
- LVDS signal interface
- Low power consumption 4.9 W (panel only)
- LED driver board built in
- Touch controller included (USB)
- Anti-Reflection surface treatment (optional)
- Optical bonding (optional)

Introduction

The Advantech IDK-1112 series comes with a 12.1" industrial grade LCD display with 5-wire resistive touch. The series is also available with flexible options for LCD screens enhanced treatment such as Anti-Reflection surface treatment and optical bonding solution. IDK-1112 series supports 5-wire resistive touch with low power consumption at the maximum of 4.9 W. IDK-1112 series is ideal for embedded applications which customers have maximum flexibility for mechanical design.

Specifications

LCD Panel	Display Size	12.1" LED backlight panel
	Resolution	800 x 600
	Viewing Angle (U/D/L/R)	65° / 75° / 80° / 80°
	Brightness	450 cd/m ²
	Backlight Life (hrs)	50,000 hrs
	Contrast Ratio	700 : 1
	Response Time (ms)	35 ms
	Colors	6 bit (262 K)/8 bit (16.2 M)
	Voltage	3.3 V Power
	Consumption	4.9 W
	Signal Interface	1 channel LVDS
	Weight	580 g
	Dimensions (W x H x D)	276 x 209 x 9.0 mm
Touch Screen	Touch Screen	5-wire Resistive
	Transparency	80± 3%
	Surface Hardness	3H
	Durability	10 million times
Environment	Operating Temperature	-20 ~ 70° C
	Storage Temperature	-30 ~ 80° C
	Humidity	5~ 90% @ 39° C, non-condensing

Technical drawings of the 15.6-inch display module showing front, side, and rear views with dimensions.

Front View Dimensions:

- Overall Width: 276.0
- Overall Height: 209.0
- Touch Area Width: 261.8 (Touch)
- Active Area Width: 246.8 (T/S Active Area)
- Active Area Height: 185.5 (T/S Active Area)
- Top Margin: 7.0
- Left Margin: 9.1
- Right Margin: 7.2 (8.1)
- Bottom Margin: 199.8 (Touch)
- Left Mounting Flange: (205±6)
- Bottom Mounting Flange: 99.9
- Corner Radius: R3.4

Side View Dimensions:

- Thickness: 11.3

Rear View Dimensions:

- Mounting Hole Spacing (Horizontal): 66.0±0.5
- Mounting Hole Spacing (Vertical): 56.7±0.5
- Mounting Hole Diameter: 5.0±0.5

Part No.	Size	LCD Panel Brightness (cd/m ²)	Interface	Touch screen	Touch Interface
IDK-1112R-45SVA1E	12.1"	450	LVDS	5-wire Resistive	USB

Part Number	Description
ETM-RES04C-EEH4EE	1 x 5-wire USB Touch controller
1700020324-01	1x USB Touch cable 5P-2.0/USB-A (M) 180CM

SBC Part No.	LVDS cable P/N	Display interface	B/L cable P/N	Touch interface	Touch power input
MIO-5270	96CB-L2040PAE4	Single channel 18bit LVDS (SVGA)	96CB-E0505PAC3	USB	5V
PCM-9362	96CB-L2020PAE2	Single channel 18bit LVDS (SVGA)	96CB-E0505PAC3	USB	5V
AIMB-270	96CB-L2040PAE4	Single channel 18bit LVDS (SVGA)	96CB-E0505PAC3	USB	5V

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