IDK-1112

12.1" SVGA Industrial Display kit with Touch Solution



Features

- 12.1" LCD supports 800 x 600 pixels and wide operating temperature (-20 ~ 70° C)
- Brightness of 450 cd/m^2 with LED backlight
- 5-wire resistive touch solution
- High contrast ratio of 700:1
- High uniformity of 75%
- LVDS signal interface
- Low power consumption 6.7 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 6.7 W. IDK-1112 series is ideal for embedded applications which customers have maximum flexibility for mechanical design.

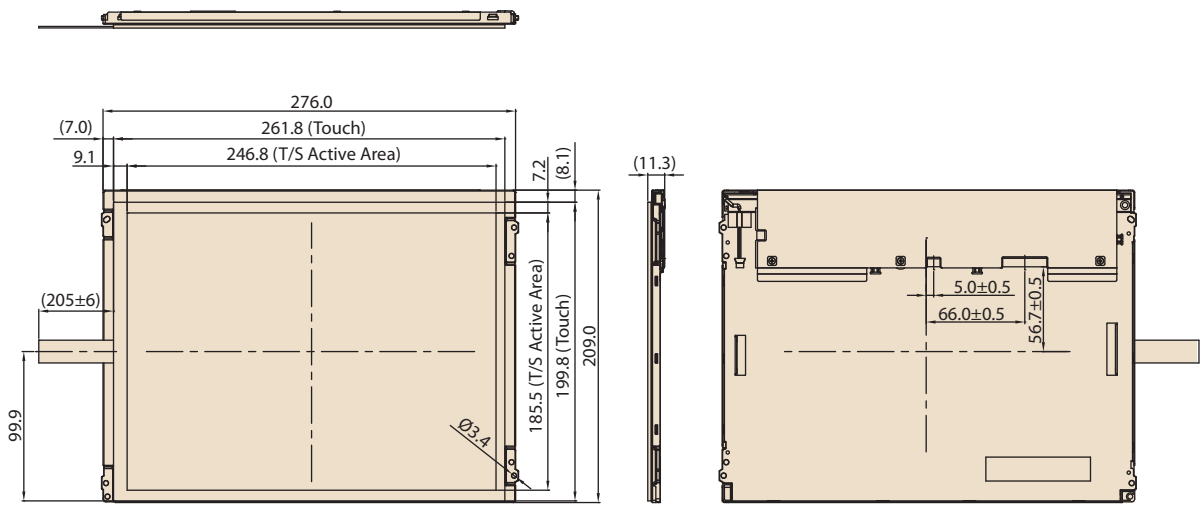
Specifications

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	6.7 W
	Signal Interface	1 channel LVDS
	Weight	980 g
	Dimensions (W x H x D)	276 x 209 x 11.3 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

All product specifications are subject to change without notice

Dimensions

Unit: mm



Ordering Information

Part No.	Size	Brightness (cd/m²)	Interface	Touch screen	Touch Interface
IDK-1112R-45SVA1E	12.1"	450	LVDS	5-wire Resistive	USB

Packing List

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
2066D10000	1 x CD-ROM for User manual and touch driver

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-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

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