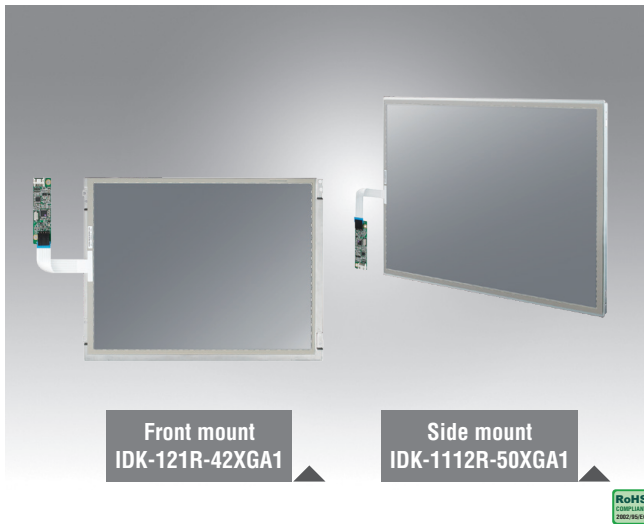


IDK-121R/1112R

12.1" XGA Industrial Display kit with Touch Solution



Features

- 12.1" LCD supports 1024 x 768 pixels and wide operating temperature (-20 ~ 70° C)
- Brightness over 500 cd/m²
- 5-wire resistive touch solution
- High contrast ratio
- LVDS signal interface
- Low power consumption
- LED driver board built in
- Touch controller included (USB)

Introduction

The Advantech IDK-121R/1112R 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-121R/1112R series supports 5-wire resistive touch with low power. IDK-121R/1112R series is ideal for embedded applications which customers have maximum flexibility for mechanical design.

Specifications

	IDK-121R-42XGA1	IDK-1112R-50XGA1
LCD Panel	Display Size	12.1", 4:3
	Resolution	1024 x 768
	Display Mode	Normally white
	Viewing Angle (U/D/L/R)	70° / 70° / 80° / 80°
	Brightness (cd/m ²)	500
	Backlight Life (hrs)	50,000
	Contrast Ratio	700 : 1
	Response Time (ms)	35
	Colors	6 bit (262 K)/8 bit (16.2 M)
	LCD Input Voltage	3.3 V
	Consumption	6.804 W (Black pattern)
	Signal Interface	1 channel LVDS
	Weight	510 g
	Dimensions (W x H x D)	279 x 209 x 9.0 mm
Mounting	Front mount	
Backlight Input Voltage	12V	
Touch Screen	Touch Screen	5-wire Resistive
	Transparency	80± 2%
	Surface Hardness	3H
	Durability	10 million times
Environment	Operating Temperature	-20 ~ 70 °C
	Storage Temperature	-30 ~ 80 °C

Ordering Information

Part No.	Size	Brightness (cd/m ²)	Interface	Touch screen	Touch Interface
IDK-121R-42XGA1	12.1"	500	LVDS	5-wire Resistive	USB
IDK-1112R-50XGA1	12.1"	500	LVDS	5-wire Resistive	USB

Packing List

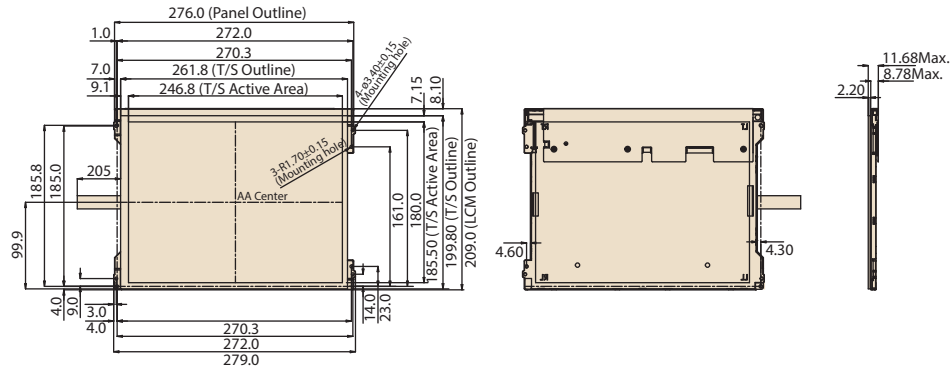
IDK Part No.	Accessory Part No.	Description
IDK-121R-42XGA1	96TS-CTR-5WRC01	1 x 5-wire USB Touch controller
	96CB-TS50-C01	1x USB Touch cable 5P-2.0/USB-A (M) 180CM
IDK-1112R-50XGA1	ETM-RES04C-EEH4EE	1 x 5-wire USB Touch controller
	1700020324-01	1x USB Touch cable 5P-2.0/USB-A (M) 180CM

Note: Package contents are subject to change without prior notice.

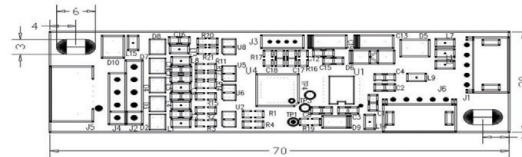
Dimensions

Unit: mm

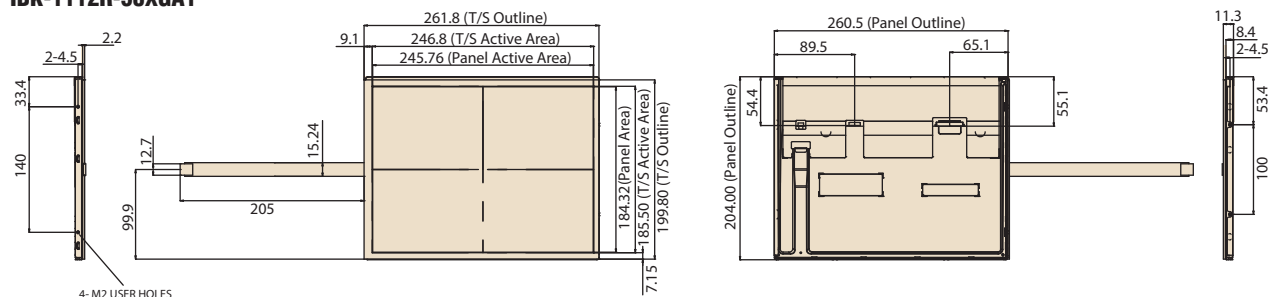
IDK-121R-42XGA1



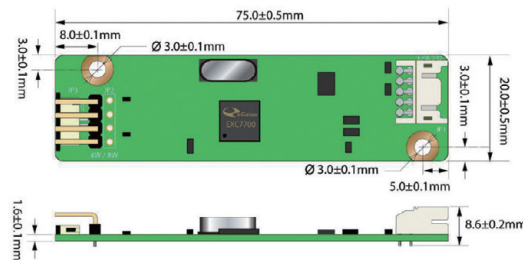
Touch Controller



IDK-1112R-50XGA1



Touch Controller



Optional Order

IDK-121R-42XGA1

SBC Part No.	LVDS cable P/N	Display interface	B/L cable P/N	Touch interface	Touch power input
MIO-5272	96CB-L2040PAE4	18bit LVDS	96CB-E0505PAC3	USB	5V
PCM-9362	96CB-L2020PAE2	18bit LVDS	96CB-E0505PAC3	USB	5V
AIMB-270	96CB-L2040PAE4	18bit LVDS	96CB-E0505PAC3	USB	5V

IDK-1112R-50XGA1

SBC Part No.	LVDS cable P/N	Display interface	B/L cable P/N	Touch interface	Touch power input
MIO-5272	96CB-L2040PCC4	18bit LVDS	96CB-E1005PCB3	USB	5V
AIMB-270	96CB-L2040PCC4	18bit LVDS	96CB-E1005PCB3	USB	5V

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