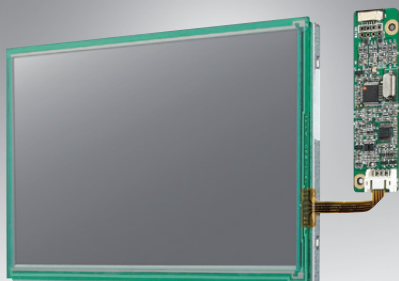


IDK-1107W

7" WVGA/WSVGA Industrial Display kit with Touch Solution

NEW



Features

- 7" LCD supports 800 x 480 & 1024 x 600 pixels and wide operating temperature (-20 ~ 70° C)
- Brightness of 400 & 500 cd/m² with LED backlight
- 4-wire resistive touch solution
- High contrast ratio of 1000:1 & 700:1
- High uniformity of 85%
- LVDS signal interface
- Low power consumption 3.35 W & 3.57 W (panel only)
- LED driver board built in
- Touch controller included (USB)
- AR surface treatment (optional)
- Optical bonding (optional)

Introduction

The Advantech IDK-1107W series comes with a 7" industrial grade LCD display with 4-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-1107W series supports 4-wire resistive touch with low power consumption at the maximum of 3.35 W & 3.57 W. IDK-1107W series is ideal for embedded applications that give customers maximum flexibility for mechanical design.

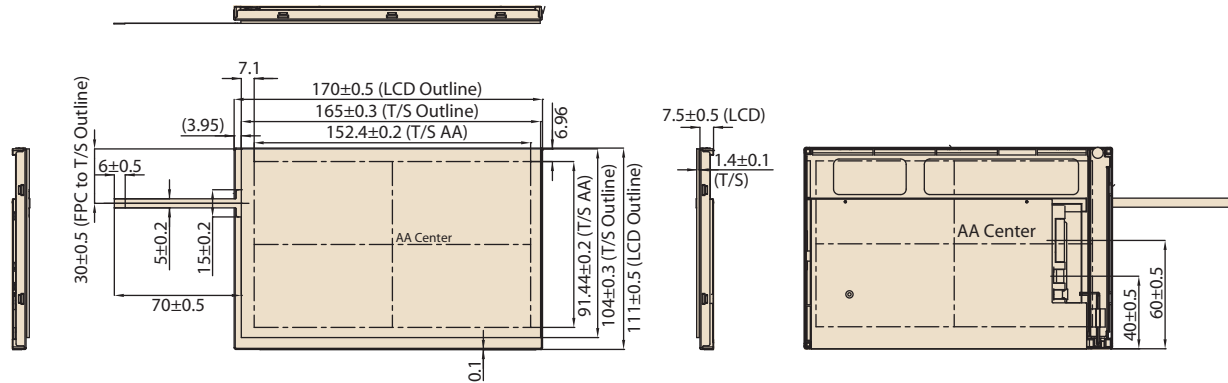
Specifications

	7" LED backlight panel (WVGA)	7" LED backlight panel (WSVGA)	
LCD Panel	Display Size	7" LED backlight panel (WVGA)	7" LED backlight panel (WSVGA)
	Resolution	800 x 480	1024x600
	Viewing Angle (U/D/L/R)	80° / 80° / 80° / 80°	70° / 75° / 75° / 75°
	Brightness	400 cd/m ²	500 cd/m ²
	Backlight Life (hrs)	50,000 hrs	50,000 hrs
	Contrast Ratio	1000 : 1	700:1
	Response Time (ms)	30 ms	25 ms
	Colors	6 Bit (262K)/8 bit (16.2 M)	6 Bit (262K)/8 bit (16.2 M)
	Voltage	3.3 V Power	3.3 V Power
	Consumption	3.35 W	3.57 W
	Signal Interface	1 channel LVDS	1 channel LVDS
	Weight	305 g	190 g
	Dimensions (W x H x D)	170 x 111 x 7.5 mm	165.5 x 104.44 x 8.97 mm
Touch Screen	Touch Screen	4-wire Resistive	4-wire Resistive
	Transparency	82.5± 2.5%	82.5± 2.5%
	Surface Hardness	3H	3H
	Durability	1 million times	1 million times
Environment	Operating Temperature	-5 ~ 60° C	-20 ~ 70° C
	Storage Temperature	-30 ~ 70° C	-30 ~ 80° C
	Humidity	10 ~ 90% @ Max. 38° C, non-condensing	10 ~ 90% @ Max. 25° C, non-condensing

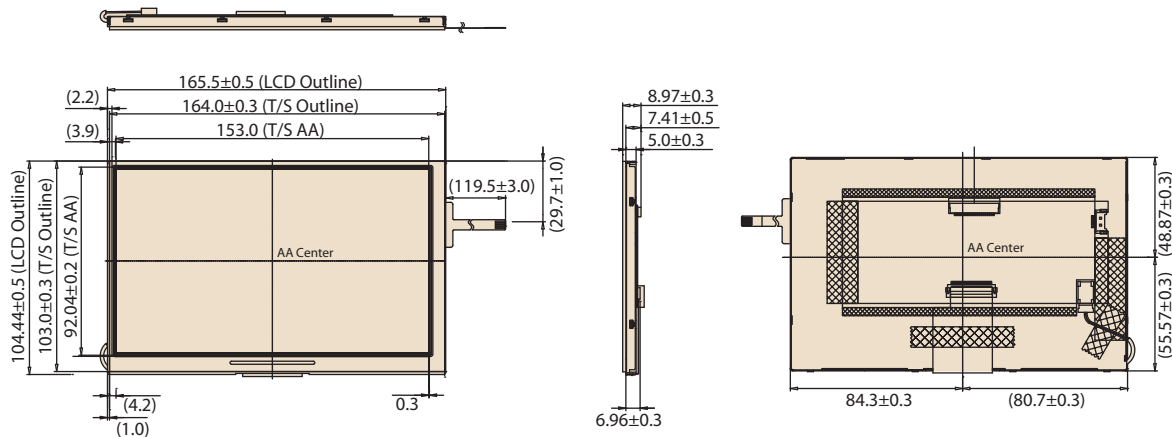
Dimensions

Unit: mm

IDK-1107WR-40WVA1E



IDK-1107WR-50WSA1E



Ordering Information

Part No.	Size	Brightness (cd/m ²)	Interface	Touch screen	Touch Interface
IDK-1107WR-40WVA1E	7"	400	LVDS	4-wire Resistive	USB
IDK-1107WR-50WSA1E	7"	500	LVDS	4-wire Resistive	USB

Packing List

Part Number	Description
ETM-RES05C-EEH4EE	1 x 4-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

Optional Order

SBC Part No.	LVDS cable P/N	Display interface	B/L cable P/N	Touch interface	Touch power input
MIO-5270	96CB-L2040PAB2	LVDS: Single channel 18bit (SVGA)	96CB-E0405PAB3 (12V: PWM)	USB	5 V
PCM-9362	96CB-L2020PAB2	LVDS: Single channel 18bit (SVGA)	96CB-E0405PAB3 (12V: PWM)	USB	5 V
AIMB-270	96CB-L2040PAB2	LVDS: Single channel 18bit (SVGA)	96CB-E0405PAB3 (12V: PWM)	USB	5 V

Note: above for IDK-1107WR-40WVA1E only

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