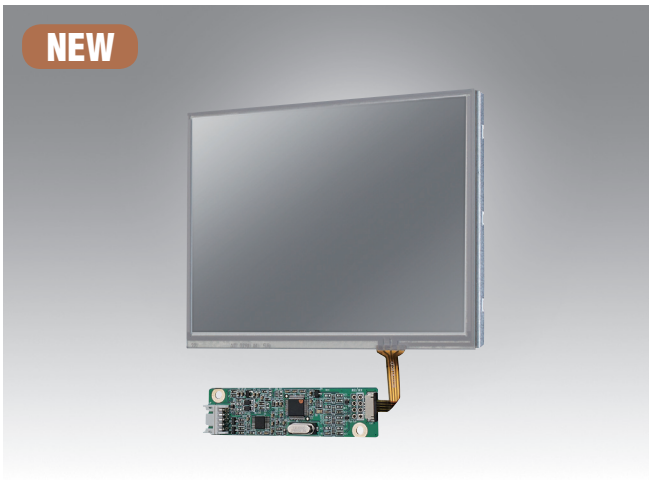
IDK-1105

5.7" VGA Industrial Display kit with Touch Solution



Features

- 5.7" LCD supports 640 x 480 pixels and wide operating temperature (-20 ~ 70° C)
- Brightness of 500 cd/m² with LED backlight
- 4-wire resistive touch solution
- LVDS signal interface
- Low power consumption 1.8 Watt (panel only)
- LED driver board built in
- Touch controller included (USB)
- AR surface treatment (optional)
- Optical bonding (optional)

Vertrieb durch AMC
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Introduction

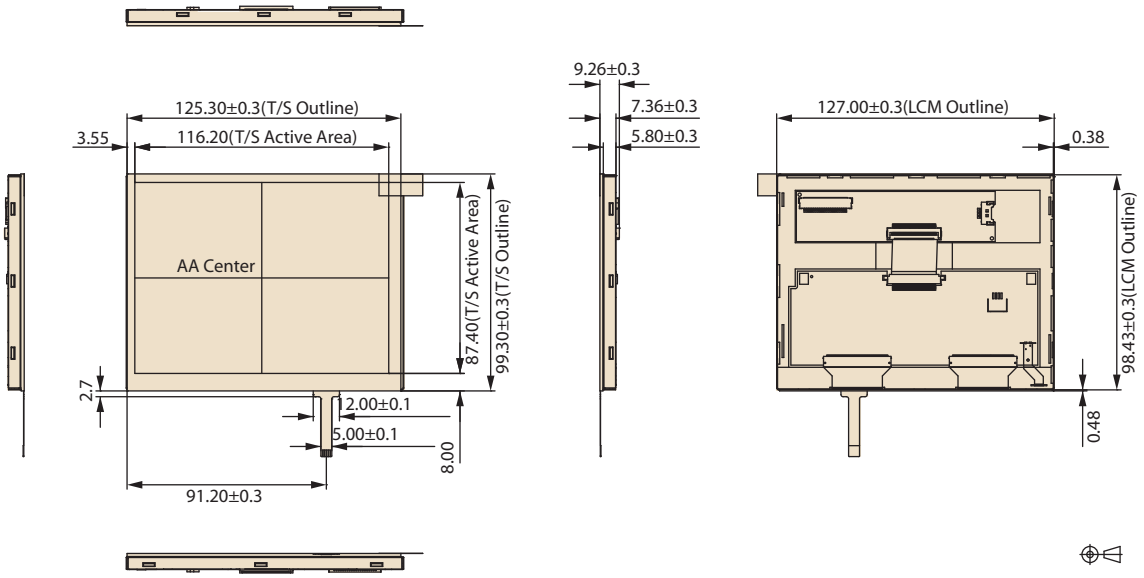
The Advantech IDK-1105 series comes with a 5.7" industrial grade LCD display with 4-wire resistive touch. The series is also available with flexible options for LCD screens enhanced treatment such as Anti-Reflection surface treatment and optical bonding solution. IDK-1105 series supports 4-wire resistive touch with low power consumption at the maximum of 1.8 Watt. IDK-1105 series is ideal for embedded applications which customers have maximum flexibility for mechanical design.

Specifications

LCD Panel	Display Size	5.7" LED backlight panel
	Resolution	640 x 480
	Viewing Angle (U/D/L/R)	50°/50°/70°/70°
	Brightness	500 cd/m²
	Backlight Life (hrs)	30,000hrs
	Contrast Ratio	200:1
	Response Time (ms)	50 ms
	Colors	6 Bit (262K)
	Voltage	3.3 V Power
	Consumption	1.8 Watt
	Signal Interface	1 channel LVDS
	Weight	230 g
	Dimensions (W x H x D)	127.0 x 98.43 x 91 mm
Touch Screen	Touch Screen	4-wire Resistive
	Transparency	82.5± 2.5%
	Surface Hardness	3H
	Durability	1 million times
Environment	Operating Temperature	-20 ~ 70° C
	Storage Temperature	-30 ~ 80° C
	Humidity	5 ~ 90% @ Max. 40° C, non-condensing

Dimensions

Unit: mm



Ordering Information

Part No.	Size	Brightness (cd/m²)	Interface	Touch screen	Touch Interface
IDK-1105R-50VGA1E	5.7"	500	LVDS - 1 channel	4-wire Resistive	USB

Packing List

Part Number	Description
ETM-RES05C-EEH4EE	1 x 4-wire USB Touch controller
1700020324-01	1 x 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 Part No.	Display Interface	B/L Cable Part No	Touch Interface	Touch Power Input
MIO-2261	96CB-L2014PIAA	LVDS: Single channel 18bit (VGA)	TBC (12V: PWM)	USB	5 V
MIO-5250	96CB-L2020PIA2	LVDS: Single channel 18bit (SVGA)	96CB-E0405PID3 (12V: PWM)	USB	5 V
AIMB-214	96CB-L2040PIA4	LVDS: Single channel 18bit (SVGA)	96CB-E0405PID3 (12V: PWM)	USB	5 V

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

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