IDK-2110WP

10.1" WXGA 1,500 cd/m² Ultra High **Brightness Industrial Display Kit with Touch Solution**



Features

- 10.1" 1280 x 800 pixels LCD (Normally Black)
- Wide view angle: 85°/85°/85°/85°
- Wide operating temperature (-20~ 70 °C)
- High brightness of 1500 cd/m²
- Build in LED driver
- Projected capacitive touch
- COF touch controller (USB)
- Anti-Reflector surface treatment (customized request)
- Optical bonding (customized request)

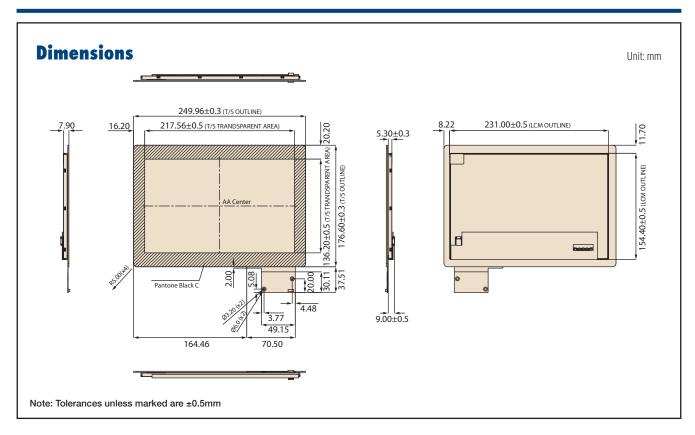


Introduction

The Advantech IDK-2110WP series comes with a 10.1" industrial grade LCD display and project capacitive 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-2110WP series has low power consumption at the typical of 9.9 W. IDK-2110WP series is ideal for embedded applications which customers have maximum flexibility for mechanical design.

Specifications

Display Size			
Viewing Angle (U/D/L/R) 85°/85°/85°/85°		Display Size	10.1", 16:10
Brightness 1500 cd/m²		Resolution	1280 x 800 (WXGA)
Backlight Life 50,000hrs		Viewing Angle (U/D/L/R)	85°/85°/85°/85°
Contrast Ratio 800:1		Brightness	1500 cd/m ²
LCD Panel Response Time 25 ms Colors 8 bit (16.7 M) Voltage 3.3 V Consumption 9.9 W Signal Interface LVDS Weight 360 g Dimensions (W x H x D) 231.0 x 154.4 x 9.05 mm Touch Screen Projected capacitive Transparency 90 ± 3% Interface USB Surface Treatment Clear Surface Hardness Mohs 5H Environment Operating Temperature -20 ~ 70 °C		Backlight Life	50,000hrs
Colors		Contrast Ratio	800:1
Voltage 3.3 V Consumption 9.9 W Signal Interface LVDS Weight 360 g Dimensions (W x H x D) 231.0 x 154.4 x 9.05 mm Touch Screen Projected capacitive Transparency 90 ± 3% Interface USB Surface Treatment Clear Surface Hardness Mohs 5H Operating Temperature -20 ~ 70 °C	LCD Panel	Response Time	25 ms
Consumption 9.9 W Signal Interface LVDS Weight 360 g Dimensions (W x H x D) 231.0 x 154.4 x 9.05 mm Touch Screen Projected capacitive Transparency 90 ± 3% Touchscreen Interface USB Surface Treatment Clear Surface Hardness Mohs 5H Consumption 5.9 W Consum		Colors	8 bit (16.7 M)
Signal Interface		Voltage	3.3 V
Weight 360 g Dimensions (W x H x D) 231.0 x 154.4 x 9.05 mm Touch Screen Projected capacitive Transparency 90 ± 3% Interface USB Surface Treatment Clear Surface Hardness Mohs 5H Operating Temperature -20 ~ 70 °C		Consumption	9.9 W
Dimensions (W x H x D) 231.0 x 154.4 x 9.05 mm		Signal Interface	LVDS
Touch Screen Projected capacitive Transparency $90 \pm 3\%$ Touchscreen Interface USB Surface Treatment Clear Surface Hardness Mohs 5H Operating Temperature $-20 \sim 70 ^{\circ}\text{C}$		Weight	360 g
Touchscreen $\begin{array}{c} \text{Transparency} & 90 \pm 3\% \\ \text{Interface} & \text{USB} \\ \text{Surface Treatment} & \text{Clear} \\ \text{Surface Hardness} & \text{Mohs 5H} \\ \\ \text{Operating Temperature} & -20 \sim 70 ^{\circ}\text{C} \\ \end{array}$		Dimensions (W x H x D)	231.0 x 154.4 x 9.05 mm
Touchscreen Interface USB Surface Treatment Clear Surface Hardness Mohs 5H Operating Temperature -20 ~ 70 °C		Touch Screen	Projected capacitive
Surface Treatment Clear Surface Hardness Mohs 5H Operating Temperature -20 ~ 70 °C		Transparency	$90 \pm 3\%$
Surface Hardness Mohs 5H Operating Temperature -20 ~ 70 °C	Touchscreen	Interface	USB
Operating Temperature -20 ~ 70 °C		Surface Treatment	Clear
Environment ' " " '		Surface Hardness	Mohs 5H
Storage Temperature -30 ~ 80 °C	Environment	Operating Temperature	-20 ~ 70 °C
		Storage Temperature	-30 ~ 80 °C



Ordering Information

Part No.	Size	LCD Panel Brightness (cd/m²)	Interface	Touch Screen	Touch Interface
IDK-2110WP-K5XGA1	10.1"	1500	LVDS	Project capacitive	USB

Packing List

Part Number	Description
1700027288-01	1 x USB cable 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-5251	96CB-L2040PID5	LVDS	96CB-E0505PAC3	USB	5V
AIMB-217	96CB-L2040PID5	LVDS	96CB-E0505PAC3	USB	5V

Note: Package contents are subject to change without prior notice