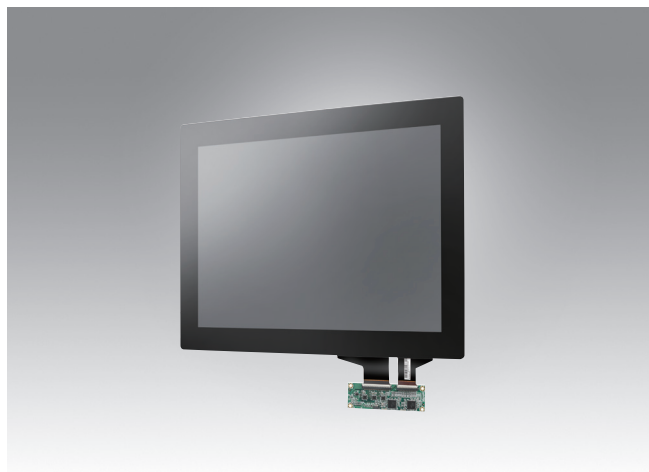


IDK-1115P

15" XGA Industrial Display kit with PCT Touch Solution



Features

- 15" LCD supports 1024 x 768 pixels and wide operating temperature (-20 ~ 70° C)
- Brightness of 500 cd/m² with LED backlight
- Projected Capacitive touch solution
- High contrast ratio of 2500:1
- High uniformity of 85%
- LVDS signal interface
- Low power consumption 12.8 W (panel only)
- Touch controller included (USB)
- Anti Reflector surface treatment (optional)
- Optical bonding (optional)

Introduction

The Advantech IDK-1115P series comes with a 15" industrial grade LCD display with Projected Capacitive touch. IDK-1115P series supports Projected Capacitive touch with low power consumption. IDK-1115P series is ideal for embedded applications which customers have maximum flexibility for mechanical design.

Specifications

LCD Panel	Display Size	15", 4:3 panel
	Resolution	1024 x 768
	Viewing Angle (U/D/L/R)	88° / 88° / 88° / 88°
	Brightness	500 cd/m ²
	Backlight Life (hrs)	50,000hrs
	Contrast Ratio	2500 : 1
	Response Time (ms)	23 ms
	Colors	6 Bit (262 K) / 8 Bit (16.7 M)
	Voltage	3.3 V Power
	Consumption	12.8 W
	Signal Interface	1 channel LVDS
	Weight	960 g
	Dimensions (W x H x D)	326.5 x 253.5 x 9.1 mm
Touch Screen	Touch Type	Projected Capacitive
	Transparency	89 ± 3%
	Interface	USB
	Surface Treatment	Clear
	Black Print	Yes
Environment	Operating Temperature	-20 ~ 70° C
	Storage Temperature	-30 ~ 80° C

IDK-1115P-50XGA1E



Technical drawing of the PCB layout showing three views: BOTTOM, FRONT, and BACK. The drawing includes dimensions in millimeters.

BOTTOM View: Shows the overall dimensions of the PCB. The width is 90.0 mm. The length is 120.0 mm. The distance between the two mounting holes is 81.8 mm. The distance from the left edge to the first mounting hole is 59.8 mm. The distance from the first mounting hole to the second mounting hole is 57.6 mm. The distance from the second mounting hole to the right edge is 51.3 mm. The distance from the left edge to the first mounting hole is 19.3 mm. The distance from the first mounting hole to the second mounting hole is 12.1 mm. The distance from the second mounting hole to the right edge is 3.2 mm. The distance from the left edge to the first mounting hole is 30.0 mm. The distance from the first mounting hole to the second mounting hole is 30.7 mm. The distance from the second mounting hole to the right edge is 37.7 mm. The distance from the left edge to the first mounting hole is 3.0 mm. The distance from the first mounting hole to the second mounting hole is 3.0 mm. The distance from the second mounting hole to the right edge is 3.0 mm.

FRONT View: Shows the component layout. Components U4, U5, U6, U7, and U2 are mounted. The distance between the two mounting holes is 81.8 mm. The distance from the left edge to the first mounting hole is 59.8 mm. The distance from the first mounting hole to the second mounting hole is 57.6 mm. The distance from the second mounting hole to the right edge is 51.3 mm. The distance from the left edge to the first mounting hole is 19.3 mm. The distance from the first mounting hole to the second mounting hole is 12.1 mm. The distance from the second mounting hole to the right edge is 3.2 mm. The distance from the left edge to the first mounting hole is 30.0 mm. The distance from the first mounting hole to the second mounting hole is 30.7 mm. The distance from the second mounting hole to the right edge is 37.7 mm. The distance from the left edge to the first mounting hole is 3.0 mm. The distance from the first mounting hole to the second mounting hole is 3.0 mm. The distance from the second mounting hole to the right edge is 3.0 mm.

BACK View: Shows the back of the PCB. The distance between the two mounting holes is 81.8 mm. The distance from the left edge to the first mounting hole is 59.8 mm. The distance from the first mounting hole to the second mounting hole is 57.6 mm. The distance from the second mounting hole to the right edge is 51.3 mm. The distance from the left edge to the first mounting hole is 19.3 mm. The distance from the first mounting hole to the second mounting hole is 12.1 mm. The distance from the second mounting hole to the right edge is 3.2 mm. The distance from the left edge to the first mounting hole is 30.0 mm. The distance from the first mounting hole to the second mounting hole is 30.7 mm. The distance from the second mounting hole to the right edge is 37.7 mm. The distance from the left edge to the first mounting hole is 3.0 mm. The distance from the first mounting hole to the second mounting hole is 3.0 mm. The distance from the second mounting hole to the right edge is 3.0 mm.

Part No.	Size	LCD Brightness (cd/m ²)	Interface	Touch screen	Touch Interface
IDK-1115P-50XGA1E	15"	500	LVDS	Projected Capacitive Touch	USB

IDK-1115P-50XGA1E

Note: Package contents are subject to change without prior notice

SBC Part No.	LVDS cable P/N	Display interface	B/L cable P/N	Touch interface	Touch power input
MIO-5270	96CB-L2040PCG4	LVDS: Single channel 18bit (XGA)	96CB-E0505PAC3 (12V: PWM)	USB	5 V
PCM-9362	96CB-L2020PCG2	LVDS: Single channel 18bit (XGA)	96CB-E0505PAC3 (12V: PWM)	USB	5 V
AIMB-270	96CB-L2040PCG4	LVDS: Single channel 18bit (XGA)	96CB-E0505PAC3 (12V: PWM)	USB	5 V

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