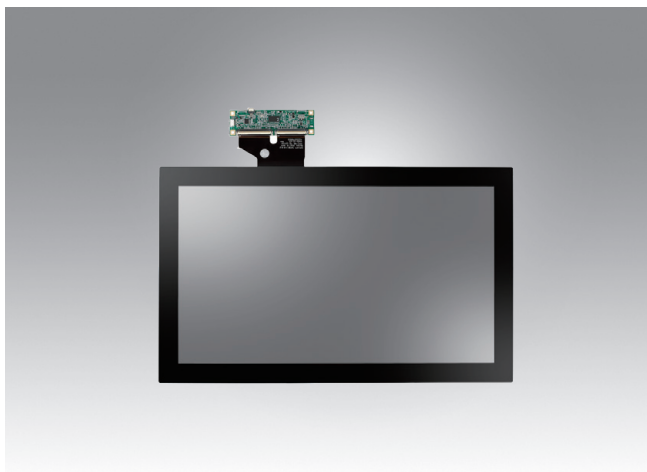# IDK-1115WP

15.6" WXGA/Full HD Industrial Display kit with PCT Touch Solution

Features

- 15.6" LCD supports 1366 x 768 and 1920 x 1080 pixels
- Brightness of 450 cd/m² with LED backlight
- Projected Capacitive touch solution
- High contrast ratio
- Wide view angle
- LVDS signal interface
- Low power consumption
- Touch controller included (USB)
- Anti-Reflector/Anti-Glare surface treatment (Customized request)
- Optical bonding (Customized request)

Introduction

The Advantech IDK-1115WP series comes with a 15.6" industrial grade IPS LCD display with Projected Capacitive touch. IDK-1115WP series supports Projected Capacitive touch with low power consumption. IDK-1115WP series is ideal for embedded applications which customers have maximum flexibility for mechanical design.
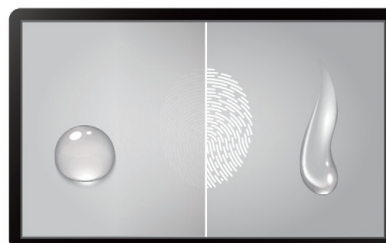
Specifications

Part No.		IDK-1115WP-45FHA2
LCD Panel	Display Size	15.6", 16: 9
	Resolution	1920 x 1080
	Display mode	Normally Black
	Viewing Angle (U/D/L/R)	170° x 170° (Full view)
	Brightness	450 cd/m²
	Backlight Life (hrs)	50,000min
	Contrast Ratio	800:1
	Response Time	25 ms
	Colors	16.2M
	LCD Input Voltage	3.3V
	Consumption	16W
	Signal Interface	2 channel LVDS
	Weight	1050 g
	Dimensions (W x H x D)	363.80 x 215.9 x 9.3 mm
Touch Screen	Touch Type	Projected Capacitive
	Transparency	88 ± 3%
	Interface	USB
	Surface Treatment	Anti-Fingerprint
	Black Print	Yes
	Control IC	EXC80H84 (COB)
Environment	Operating Temperature	-20 ~ 70 °C
	Storage Temperature	-30 ~ 70 °C

Full view display

AF v.s Clear

Dimensions

Unit: mm

IDK-1115WP-45FHA2

386.81±0.2 (Touch Glass O.D.)
345.23 (Touch Glass V.A.)
344.16±0.3 (LCD A.A.)
20.8
21.31
5.5±0.3
54.95±0.3
97.00±0.3
193.59±0.3 (LCD A.A.)
194.50 (Touch Glass V.A.)
237.12±0.2 (Touch Glass O.D.)
9.3±0.5
5.5±0.3
54.95±0.3
97.00±0.3
2.8±0.2
12.8±0.7
228.01±0.5
73±0.2
11.505±0.500
30.5±0.1
34.5±0.1
31.34±0.500
10.61±0.500
239.55±2
49.57±2
CONN: IPEX 20455-040E-76 Pin 1
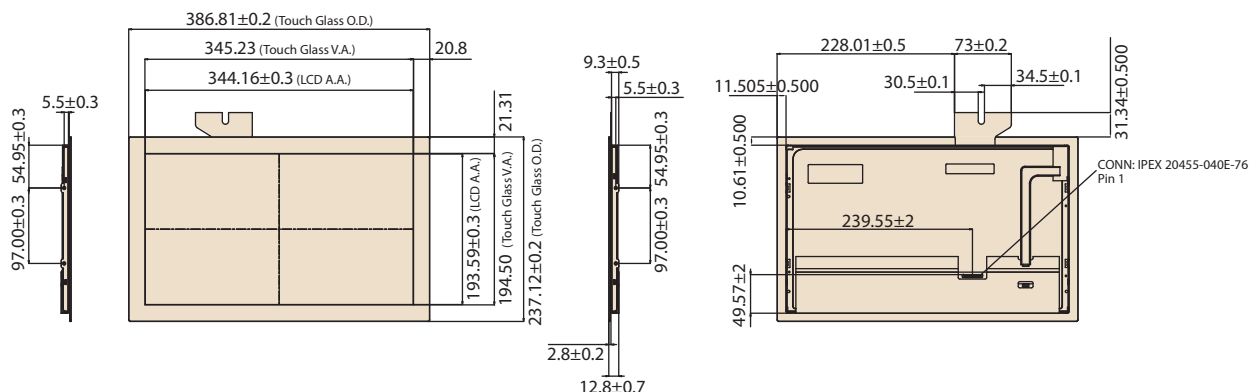
Touch Controller Board for IDK-1115WP-45FHA2

Front View

93.00
28
3.5
3.5
3.5
1.00
Component Area
USB
3.5
3.5
93

Side View

PCB : 1.6
Component: 3
Component+PCB: 4.6±0.5
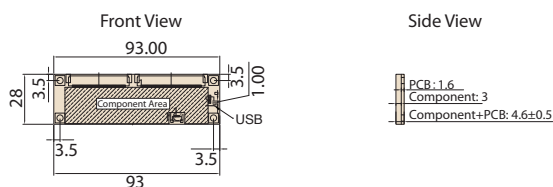
Ordering Information

Part No.	Size	LCD Brightness (cd/m²)	Interface	Touch screen	Touch Interface
IDK-1115WP-45FHA2	15.6"	450	2 Channel LVDS	Projected Capacitive Touch	USB

Optional Order

IDK-1115WP-45FHA2

SBC Part No.	LVDS cable P/N	Display interface	B/L cable P/N	Touch interface	Touch power input
MIO-5270	96CB-L4045PCF5	24bit LVDS	NA	USB	5 V
AIMB-270	96CB-L4045PCF5	24bit LVDS	NA	USB	5 V

Packing List

Part Number	Description
1700032282-01	1 x USB Touch cable
TCB156PGU0ZEH8410	1 x Touch Controller Board

Note: Package contents are subject to change without prior notice

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