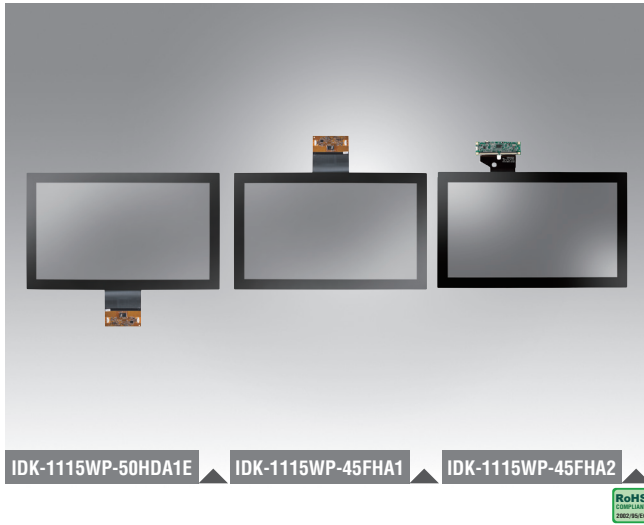


# IDK-1115WP

## 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 500 and 450 cd/m<sup>2</sup> 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.

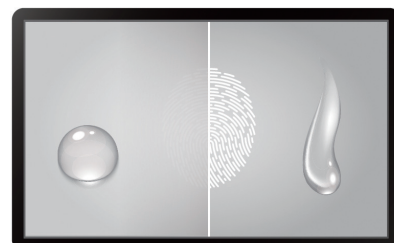
### Specifications

Part No.	IDK-1115WP-50HDA1E	IDK-1115WP-45FHA1	IDK-1115WP-45FHA2	
LCD Panel	Display Size	15.6", 16:9	15.6", 16:9	15.6", 16:9
	Resolution	1366 x 768	1920 x 1080	1920 x 1080
	Display mode	Normally White	Normally Black	Normally Black
	Viewing Angle (U/D/L/R)	150° / 160°	170° x 170° (Full view)	170° x 170° (Full view)
	Brightness	500 cd/m <sup>2</sup>	450 cd/m <sup>2</sup>	450 cd/m <sup>2</sup>
	Backlight Life (hrs)	50,000 min	50,000min	50,000min
	Contrast Ratio	600 : 1	800:1	800:1
	Response Time	11 ms	25 ms	25 ms
	Colors	16.7M	16.2M	16.2M
	LCD Input Voltage	5 V	3.3V	3.3V
	Consumption	12.1 W	16W	16W
	Signal Interface	1 channel LVDS	2 channel LVDS	2 channel LVDS
	Weight	720 g	1050 g	1050 g
Dimensions (W x H x D)	363.80 x 215.98 x 9.30 mm	363.80 x 215.9 x 9.3 mm	363.80 x 215.9 x 9.3 mm	
Touch Screen	Touch Type	Projected Capacitive	Projected Capacitive	Projected Capacitive
	Transparency	87 ± 2%	87 ± 2%	88 ± 3%
	Interface	USB	USB	USB
	Surface Treatment	Clear	Clear	Anti-Fingerprint
	Black Print	Yes	Yes	Yes
	Control IC	EXC3160 (COF)	EXC3160 (COF)	EXC80H84 (COB)
Environment	Operating Temperature	-10 ~ 60 °C	-20 ~ 70 °C	-20 ~ 70 °C
	Storage Temperature	-20 ~ 60 °C	-30 ~ 70 °C	-30 ~ 70 °C

#### Full view display



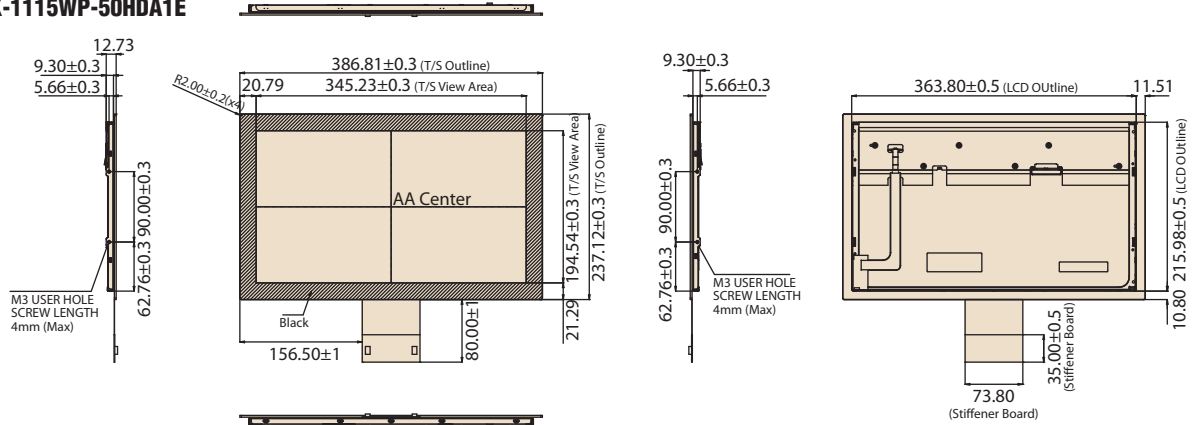
#### AF v.s Clear



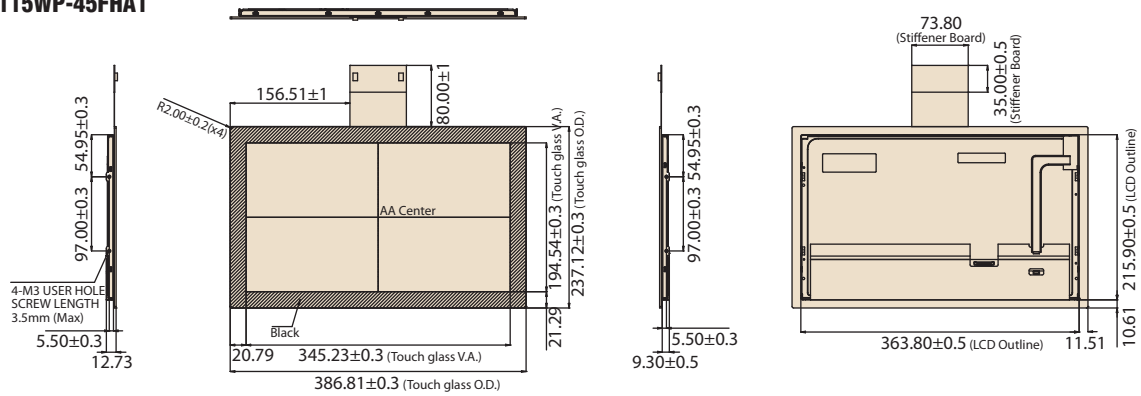
# Dimensions

Unit: mm

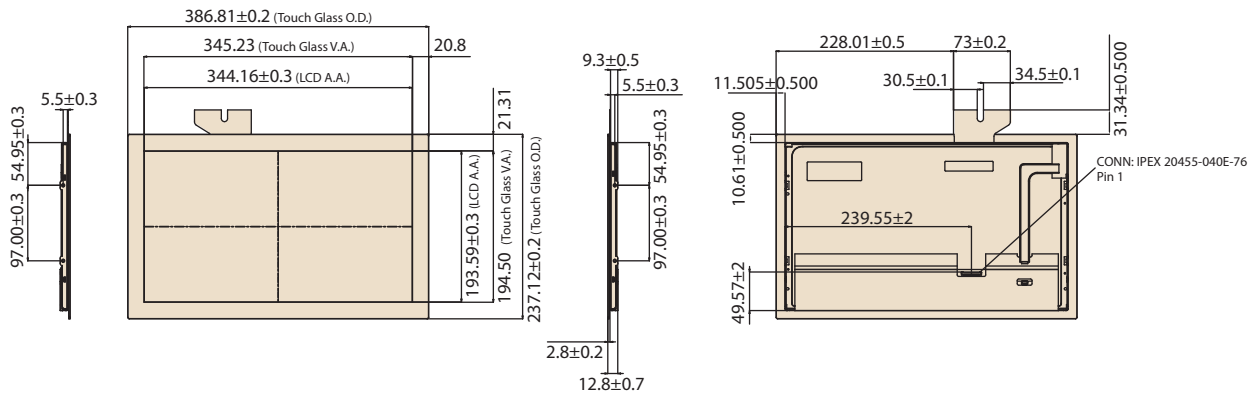
## IDK-1115WP-50HDA1E



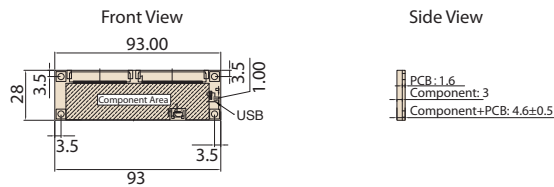
## IDK-1115WP-45FHA1



## IDK-1115WP-45FHA2



## Touch Controller Board for IDK-1115WP-45FHA2



## Ordering Information

Part No.	Size	LCD Brightness (cd/m <sup>2</sup> )	Interface	Touch screen	Touch Interface
IDK-1115WP-50HDA1E	15.6"	500	1 Channel LVDS	Projected Capacitive Touch	USB
IDK-1115WP-45FHA1	15.6"	450	2 Channel LVDS	Projected Capacitive Touch	USB
IDK-1115WP-45FHA2	15.6"	450	2 Channel LVDS	Projected Capacitive Touch	USB

## Optional Order

### IDK-1115WP-50HDA1E

SBC Part No.	LVDS cable P/N	Display interface	B/L cable P/N	Touch interface	Touch power input
MIO-5270	96CB-L3040PAI5	24bit LVDS	96CB-E0505PAC3	USB	5 V
AIMB-270	96CB-L3040PAI5	24bit LVDS	96CB-E0505PAC3	USB	5 V

### IDK-1115WP-45FHA1 / 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
1700024808-01	1 x USB Touch cable for IDK-1115WP-50HDA1E and IDK-1115WP-45FHA1
1700032282-01	1 x USB Touch cable for IDK-1115WP-45FHA2
TCB156PGU0ZEH8410	1 x Touch Controller Board for IDK-1115WP-45FHA2

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 below <http://www.advantech.com/buildyourdisplay>