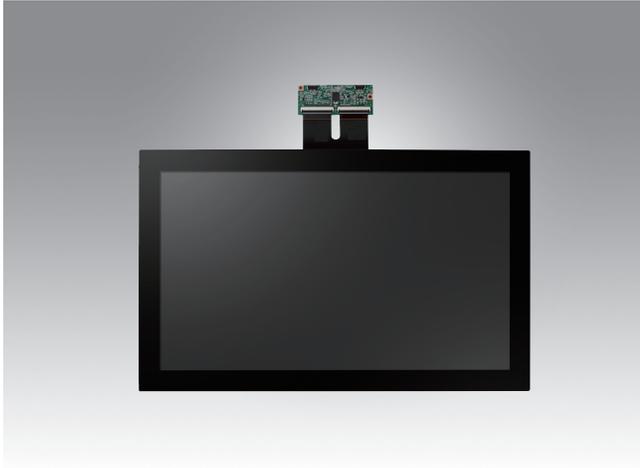


# IDK-1115WP

## 15.6" Full HD Industrial Display kit with PCT Touch Solution



### Features

- 15.6" LCD supports 1920 x 1080 pixels
- Brightness of 450 cd/m<sup>2</sup> with LED backlight
- Projected Capacitive touch solution
- High contrast ratio
- Wide view angle
- LVDS and eDP 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.

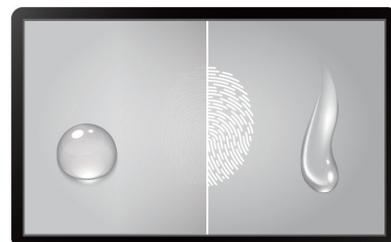
### Specifications

| Part No.     | IDK-1115WP-45FHA2       | IDK-1115WP-45FHE1       |                          |
|--------------|-------------------------|-------------------------|--------------------------|
| LCD Panel    | Display Size            | 15.6", 16: 9            | 15.6"                    |
|              | Resolution              | 1920 x 1080             | 1920 x 1080              |
|              | Display mode            | Normally Black          | Normally Black           |
|              | Viewing Angle (U/D/L/R) | 170° x 170° (Full view) | 178° x 178° (Full view)  |
|              | Brightness              | 450 cd/m <sup>2</sup>   | 450 cd/m <sup>2</sup>    |
|              | Backlight Life (hrs)    | 50,000                  | 50,000                   |
|              | Contrast Ratio          | 800:1                   | 1000:1                   |
|              | Response Time           | 25 ms                   | 25ms                     |
|              | Colors                  | 16.7M                   | 16.7M                    |
|              | LCD Input Voltage       | 3.3V                    | 3.3V                     |
|              | Consumption             | 16W                     | 11.1W                    |
|              | Signal Interface        | 2 channel LVDS          | 2 Lane eDP               |
|              | Weight                  | 1050 g                  | 550g                     |
|              | Dimensions (W x H x D)  | 363.80 x 215.9 x 9.3 mm | 351.84 x 208.88 x 6.5 mm |
| Touch Screen | Touch Type              | Projected Capacitive    | Projected Capacitive     |
|              | Transparency            | 88 ± 3%                 | 88 ± 3%                  |
|              | Interface               | USB                     | USB                      |
|              | Surface Treatment       | Anti-Fingerprint        | Anti-Fingerprint         |
|              | Black Print             | Yes                     | Yes                      |
| Environment  | Control IC              | EXC80H84 (COB)          | EXC81W60 (COF)           |
|              | Operating Temperature   | -20 ~ 70 °C             | 0 ~ 60° C                |
|              | Storage Temperature     | -30 ~ 70 °C             | -20 ~ 70° C              |

#### Full view display



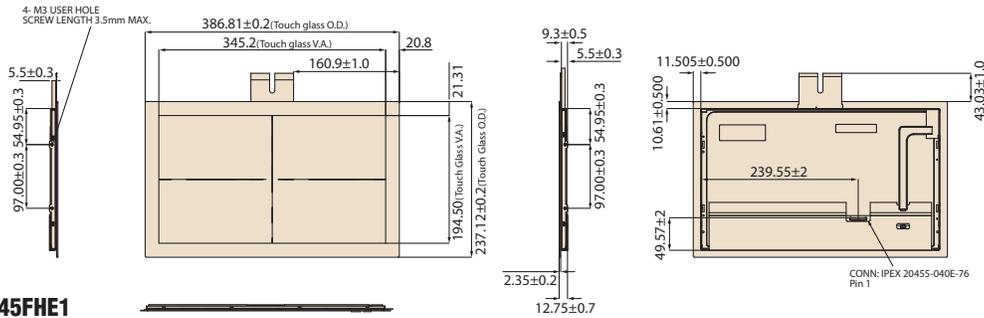
#### AF v.s Clear



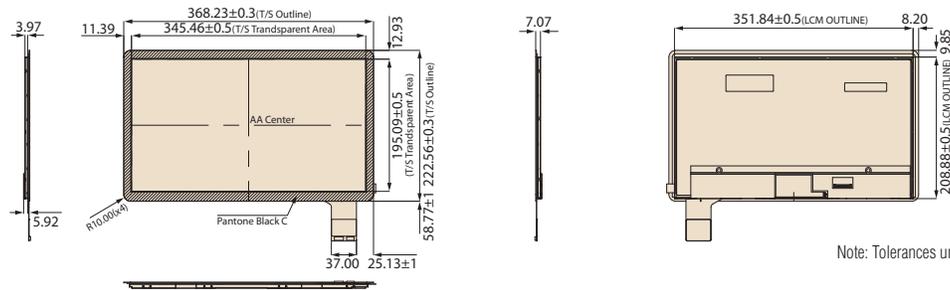
## Dimensions

Unit: mm

### IDK-1115WP-45FHA2

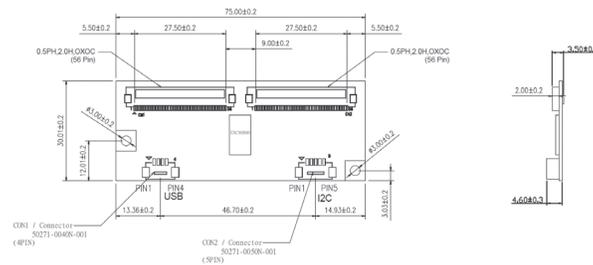


### IDK-1115WP-45FHE1



Note: Tolerances unless marked are ±0.5mm

### 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-45FHA2 | 15.6" | 450                                 | 2 Channel LVDS | Projected Capacitive Touch      | USB             |
| IDK-1115WP-45FHE1 | 15.6" | 450                                 | 2 Lane eDP     | 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

### IDK-1115WP-45FHA2

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

### IDK-1115WP-45FHE1

| Part Number   | Description         |
|---------------|---------------------|
| 1700032283-01 | 1 x USB Touch cable |

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>