

# IDK-2117

## 17" 1,200 cd/m<sup>2</sup> Ultra High Brightness Industrial Display Kit with LED B/L

NEW



### Features

- 17" LCD supports 1280 x 1024 pixels and wide operating temperature (0 ~ 50° C)
- Ultra-high brightness of 1200cd/m<sup>2</sup> with LED backlight
- High contrast ratio of 1000:1
- High uniformity of 80%
- Superior sunlight readability
- LVDS signal interface
- Low power consumption 17W
- Anti-Reflection surface treatment(optional)
- Manually VR brightness control (optional)
- Auto-dimming solution with light sensor (optional)
- Optical bonding (optional)

### Introduction

The Advantech IDK-2117 series comes with a 17" 1200 cd/m<sup>2</sup> industrial grade LCD display, and an LED driving board. The series is also available with flexible options for touch screens and enhanced treatment such as AR surface treatment and optical bonding solution. IDK-2117 series supports 1200 cd/m<sup>2</sup> high brightness with low power consumption at the maximum consumption of 17W. Equipped with high level of brightness and wide operating temperature, IDK-2117 provides superior sunlight readability and is perfect for applications whether in semi-outdoor or outdoor environments.

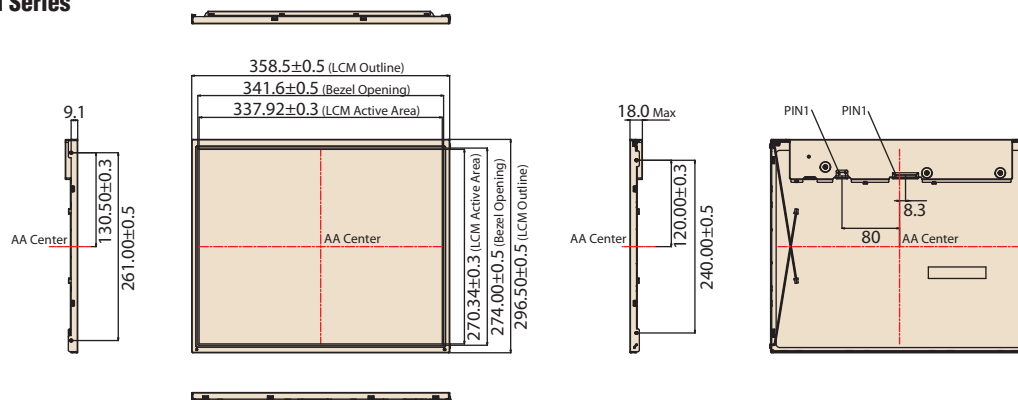
### Specifications

|                         |                                     |                                                                      |
|-------------------------|-------------------------------------|----------------------------------------------------------------------|
| LCD Panel               | Display Size                        | 17" LED backlight panel                                              |
|                         | Resolution                          | 1280 x 1024                                                          |
|                         | Viewing Angle (Horizontal/Vertical) | 170°/160°                                                            |
|                         | Brightness                          | 1200 cd/m <sup>2</sup>                                               |
|                         | Contrast Ratio                      | 1000 : 1                                                             |
|                         | Response Time (ms)                  | 5 ms                                                                 |
|                         | Colors                              | 16.2 M                                                               |
|                         | Voltage                             | 5 V                                                                  |
|                         | Power Consumption                   | 17W                                                                  |
|                         | Signal Interface                    | 2 channel LVDS                                                       |
|                         | Weight                              | 1300 g (N series)<br>1760 g (R series)                               |
|                         | Dimensions (W x H x D)              | N series: 358.5 x 296.5 x 18 mm<br>R series: 358.5 x 296.5 x 20.9 mm |
| LED Driver Board        | Efficiency                          | 90%                                                                  |
|                         | Input Current & Voltage             | 1.3A/12V                                                             |
|                         | Dimensions (W x H x D)              | 80 x 54.2 x 10 mm                                                    |
| Touch Screen (R series) | Touch Screen                        | 5-Wire Resistive                                                     |
|                         | Light Transmission                  | 80 ± 2%                                                              |
|                         | Durability                          | 10 million times                                                     |
| Environment             | Operating Temperature               | 0 ~ 50° C                                                            |
|                         | Storage Temperature                 | -20 ~ 60° C                                                          |
|                         | Humidity                            | 5 ~ 90% @ 40° C, non-condensing                                      |

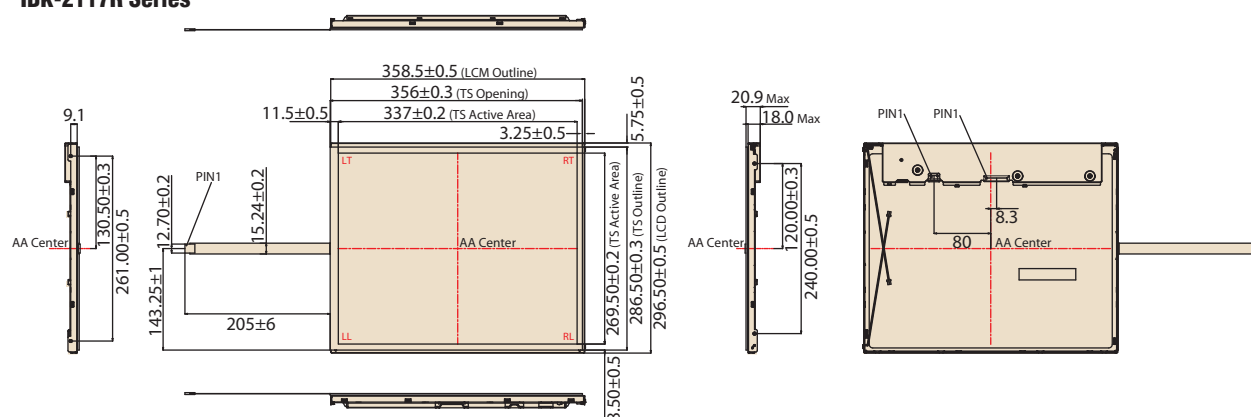
## Dimensions

Unit: mm

### IDK-2117N Series



### IDK-2117R Series



## Ordering Information

| Part No.          | Size | LCD Panel Brightness (cd/m <sup>2</sup> ) | Interface | Touch screen     | Touch Interface |
|-------------------|------|-------------------------------------------|-----------|------------------|-----------------|
| IDK-2117N-K2SXA2E | 17"  | 1200                                      | LVDS      | N/A              | N/A             |
| IDK-2117R-K2SXA2E | 17"  | 1200                                      | LVDS      | 5-Wire Resistive | RS-232/USB      |

## Packing List

| Part Number       | Description                        |
|-------------------|------------------------------------|
| ETM-RES04C-EEH4EE | 1 x 5-wire USB touch controller    |
| 1700020324-01     | 1 x USB cable for Touch controller |
| 968AD00014        | 1 x LED driver board               |

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-5270     | 96CB-L3040PAF5 | Dual channel 24bit LVDS (FHD) | N/A (external power was required) | USB             | 5V                |
| AIMB-270     | 96CB-L3040PAF5 | Dual channel 24bit LVDS (FHD) | N/A (external power was required) | USB             | 5V                |

Note: Package contents are subject to change without prior notice