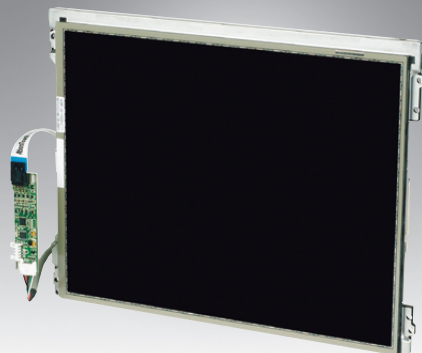# IDK-1115

## 15" XGA Industrial Display kit with Touch Solution

**NEW**

## Features

- 15" LCD supports 1024 x 768 pixels and wide operating temperature (-20 ~ 70° C)
- Brightness of 400 cd/m² with LED backlight
- 5-wire resistive touch solution
- High contrast ratio of 700:1
- High uniformity of 85%
- LVDS signal interface
- Low power consumption 10.8 W (panel only)
- LED driver board built in
- Touch controller included (USB)
- AR surface treatment (optional)
- Optical bonding (optional)

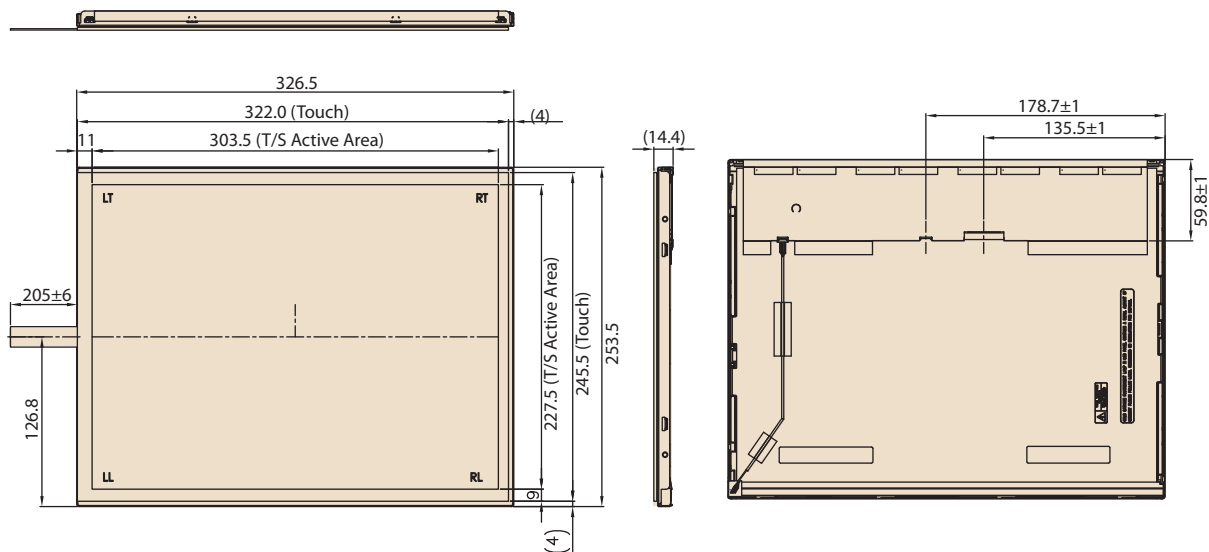RoHS COMPLIANT 2002/95/EC

## Introduction

The Advantech IDK-1115 series comes with a 15" industrial grade LCD display with 5-wire resistive touch. The series is also available with flexible options for LCD screens enhanced treatment such as Anti Reflection surface treatment and optical bonding solution. IDK-1115 series supports 5-wire resistive touch with low power consumption at the maximum of 10.8W. IDK-1115 series is ideal for embedded applications which customers have maximum flexibility for mechanical design.

## Specifications

| | | |
|---|---|---|
| LCD Panel | Display Size | 15" LED backlight panel |
| | Resolution | 1024 x 768 |
| | Viewing Angle (U/D/L/R) | 70° / 70° / 80° / 80° |
| | Brightness | 400 cd/m² |
| | Backlight Life (hrs) | 50,000hrs |
| | Contrast Ratio | 700 : 1 |
| | Response Time (ms) | 8 ms |
| | Colors | 6 Bit (262K) / 8Bit (16.2 M) |
| | Voltage | 3.3 V Power |
| | Consumption | 10.8 W |
| | Signal Interface | 1 channel  LVDS |
| | Weight | 835 g |
| | Dimensions (W x H x D) | 326.5 x 253.5 x 14.4 mm |
| Touch Screen | Touch Screen | 5-wire Resistive |
| | Transparency | 80± 3% |
| | Surface Hardness | 3H |
| | Durability | 10 million times |
| Environment | Operating Temperature | -20 ~ 70° C |
| | Storage Temperature | -40 ~ 80° C |
| | Humidity | 10~ 90% @ 39° C., non-condensing |

## Dimensions

Unit: mm



## Ordering Information

| Part No. | Size | Brightness (cd/m²) | Interface | Touch screen | Touch Interface |
|---|---|---|---|---|---|
| IDK-1115R-40XGC1E | 15" | 400 | LVDS | 5-wire Resistive | RS-232/USB |

## Packing List

| Part Number | Description |
|---|---|
| ETM-RES04C-EEH4EE | 1 x 5-wire Touch controller |
| 1700020324-01 | 1x USB Touch cable 5P-2.0/USB-A (M) 180CM |
| 2066I10000 | 1 x CD-ROM for User manual and touch driver |

Note: Package contents are subject to change without prior notice

## Optional Order

| SBC Part No. | LVDS Cable Part No. | Display Interface | B/L Cable Part No | 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 |