# C-IDK1107WR

## 7.0" WVGA Intelligent Display kits

**NEW**



RoHS COMPLIANT 2002/95/EC
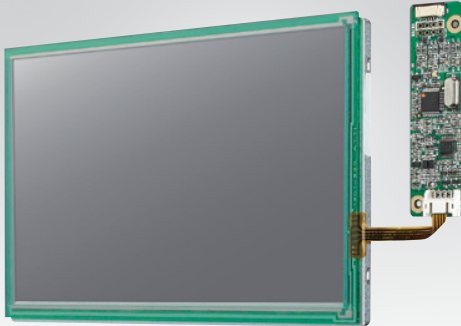
## Features

- 7" LCD support 800X480 resolutions.
- Brightness of 400 nits with LED backlight.
- 4-wire resistive touch solution.
- High contrast ratio of 1000:1
- Wide Viewing Angle: 80/80/80/80.
- High uniformity of 80%
- LVDS signal interface.
- Low power consumption 3.7w (panel only)
- Built in LED driver board
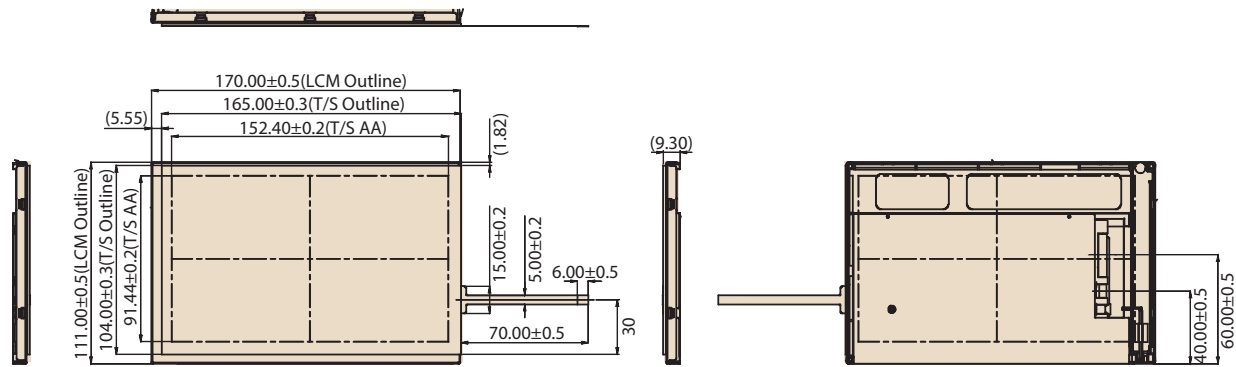- USB Touch Controller.

## Introduction

The Advantech C-IDK1107WR series come with a 7" industrial grade LCD panel with 4-wire resistive touch. C-IDK1107WR has low power consumption (< 4 W typical), high contrast ratio (1000:1), high screen brightness (400 nits), wide operating temp (-20 to 70 C) and good product longevity support (3 years). C-IDK1107WR series is ideal for embedded applications that give customers maximum flexibility for mechanical design.

## Specifications

| | | |
|---|---|---|
| LCD Panel | Display Size | 7" LED backlight Panel (WSVGA) |
| | Resolution | 800 x 480 |
| | Viewing Angle (U/D/L/R) | 80°/80°(H), 80° /80°(V) |
| | Brightness | 400 (cd/m²) |
| | Backlight Life (hrs) | 50,000 (Hrs) |
| | Contrast Ratio | 1000:1 |
| | Response Time (ms) | 30 ms |
| | Colors Support | 6 Bit (262K) / 8 Bit (16.2M) |
| | Voltage | 3.3v Power |
| | Consumption | 3.7W (Typical) |
| | Signal Interface | 1 channel LVDS |
| | Weight | 305 g |
| | Dimensions (W x H x D) | 170 x 111 x 7.5 mm |
| Touch Screen | Touch Screen | 4-wire resistive |
| | Transparency | 82% |
| | Surface Hardness | 3H |
| Environment | Operating Temperature | LCD: (-30 – 85)<br>Touch Screen: (-20 – 70)<br>Controller Board: (-25 – 85) |
| | Storage Temperature | LCD: (-30 – 85)<br>Touch Screen: (-40 – 80)<br>Controller Board: (-25 – 85) |

## Dimensions

Unit: mm



## Packing List

| Part Number | Description |
|---|---|
| 1700020324-01 | 1x USB Touch cable |
| ETM-RES05C-EEH4EE | Touch Controller |

Note: Package contents are subject to change without prior notice

## Ordering Information

| Model Name | Description |
|---|---|
| C-IDK1107WR40WV-01 | 7" 800X480 Resistive Touch LCD |

## Optional Order for C-IDK1110WP30WX-01

| SBC Part No: | LVDS cable | Backlight cable |
|---|---|---|
| MIO-5290 | 96CB-L2040PAB4 | 96CB-E0405PAB3 |
| AIMB-274 | 96CB-L2040PAB4 | 96CB-E0405PAB3 |
| MIO-2263 | 96CB-L2014PABA | 96CB-E0405PABA |

## Product Contact Information:

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Product packing dimension: 250L x 100W x 200H (mm), 0.19 (kg)

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