

IDK-2121W

21.5" FHD 1, 200 cd/m² Ultra High Brightness Industrial Display Kit with LED B/L

NEW



Features

- 21.5" LCD supports 1920 x 1080 pixels and wide operating temperature (0 ~ 55° C)
- Ultra-high brightness of 1200 cd/m² with LED backlight
- High contrast ratio of 5000:1
- High uniformity of 80% (typ.)
- Superior sunlight readability
- LVDS signal interface
- Low power consumption 46.7 W
- 5W resistive touch solution (optional)
- Anti-Reflection surface treatment (optional)
- Manually VR brightness control (optional)
- Auto-dimming solution with light sensor (optional)
- Optical bonding (optional)

Introduction

The Advantech IDK-2121W series comes with a 21.5" 1200 cd/m² industrial grade LCD display, and an LED driver board. The series is also available with flexible options for 5-wire touch screens and enhanced treatment such as Anti-Reflection surface treatment and optical bonding solution. IDK-2121W series supports 1200 cd/m² high brightness with low power consumption at the maximum consumption of 46.7 W. Equipped with high level of brightness and wide operating temperature, IDK-2121W provides superior sunlight readability and is perfect for applications whether in semi-outdoor or outdoor environments.

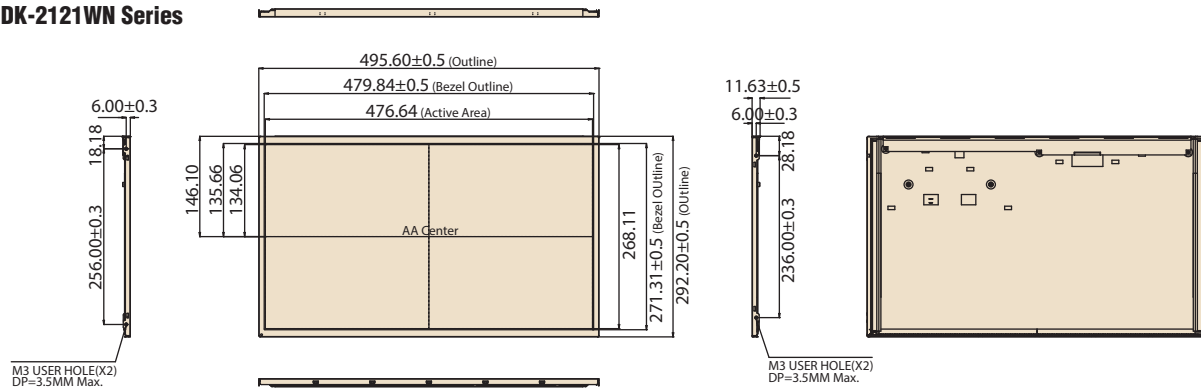
Specifications

| | | |
|-------------------------|--------------------------|--|
| Display | Model | IDK-2121W |
| | Size | 21.5" LED backlight panel |
| | Resolution | 1920 x 1080 (FHD) |
| | Viewing Angle(U/D/L/R) | 89°/89°/89°/89° |
| | Brightness (Center) | 1200 (cd/m ²) |
| | Contrast Ratio | 5000 : 1 |
| | Response Time (ms) | 25 ms (typ.) |
| | Colors | 16.7M |
| | Voltage | 5V |
| | Power Consumption | N Series: 46.8 W R series: 47.8 W |
| | Signal Interface | 2 channel LVDS |
| | Weight | N series: 2400 g R series: 3200 g |
| | Dimensions (W x H x D) | N series:495.6 x 292.2 x 11.63 mm R series:495.6 x 292.2 x 15.58 mm |
| LED Driver Board | Efficiency | 90% |
| | Output Current & Voltage | 1140 mA / 34.4 V (Max.) |
| | Dimensions (W x H x D) | 80 x 80 x 10 mm |
| Touch Screen (R series) | Touch Screen | 5-wire Resistive |
| | Transparency | 80± 3% |
| | Durability | 10 million times |
| Environment | Operating Temperature | 0 ~ 55° C |
| | Storage Temperature | -20 ~ 60° C |
| | Humidity | 10 ~ 90% @ 40°C, non-condensing |

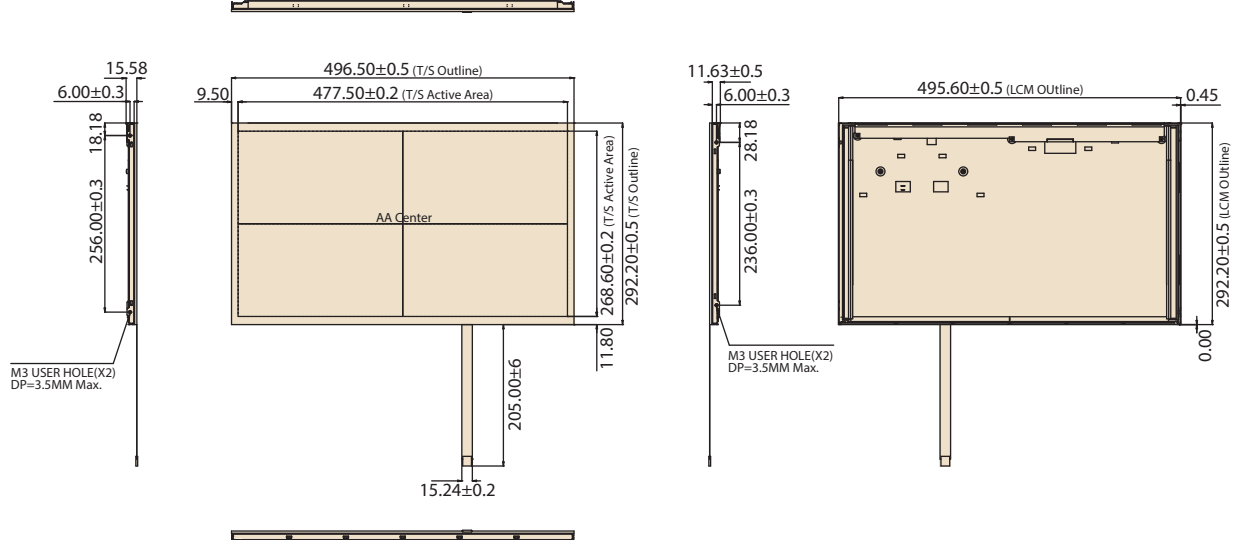
Dimensions

Unit: mm

IDK-2121WN Series



IDK-2121WR Series



Ordering Information

| Part No. | Size | Brightness (cd/m ²) | Interface | Touch screen | Touch Interface |
|--------------------|-------|---------------------------------|-----------|------------------|-----------------|
| IDK-2121WN-K2FHA2E | 21.5" | 1200 | LVDS | N/A | N/A |
| IDK-2121WR-K2FHA2E | 21.5" | 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 |

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 |

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