

IDK-2119

19" 1,200 cd/m² Ultra High Brightness Industrial Display Kit with LED B/L

NEW



Features

- 19" LCD supports 1280 x 1024 pixels and wide operating temperature (0 ~ 50° C)
- Ultra-high brightness of 1200 cd/m² with LED backlight
- High contrast ratio of 1000:1
- High uniformity of 85%
- Superior sunlight readability
- LVDS signal interface
- Low power consumption 35.42 W
- AR surface treatment (optional)
- Manually VR brightness control (optional)
- Auto-dimming solution with light sensor (optional)
- Optical bonding (optional)

Introduction

The Advantech IDK-2119 series comes with a 19" 1200 cd/m² industrial grade LCD display, and an LED driver 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-2119 series supports 1200 cd/m² high brightness with low power consumption at the maximum consumption of 35.42 W. Equipped with high level of brightness and wide operating temperature, IDK-2119 provides superior sunlight readability and is perfect for applications whether in semi-outdoor or outdoor environments.

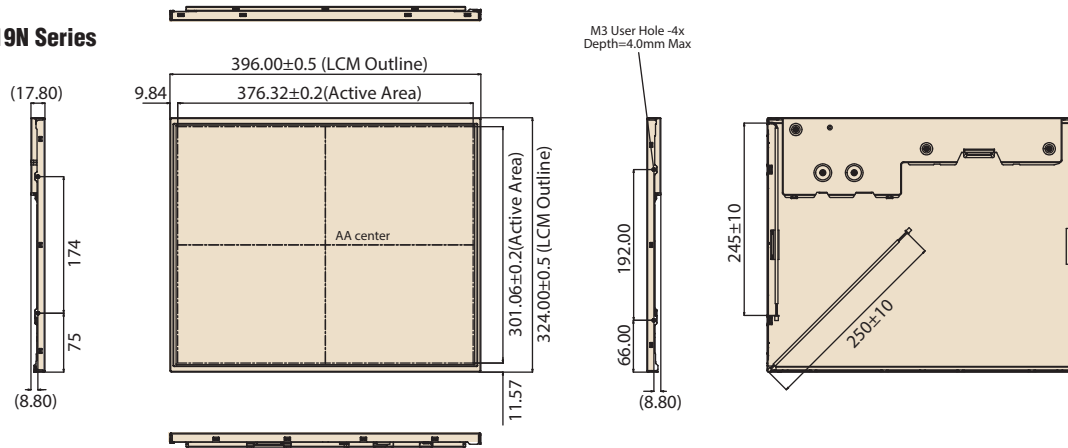
Specifications

| | | |
|-------------------------|--------------------------|--|
| LCD Panel | Display Size | 19" LED backlight panel |
| | Resolution | 1280 x 1024 |
| | Viewing Angle (U/D/L/R) | 80° / 80° / 85° / 85° |
| | Brightness | 1200 cd/m ² |
| | Contrast Ratio | 1000 : 1 |
| | Response Time (ms) | 5 ms |
| | Colors | 16.7 M |
| | Voltage | 5 V |
| | Power Consumption | 35.42 W |
| | Signal Interface | 2 channel LVDS |
| | Weight | N series: 2500 g (N series) |
| | Dimensions (W x H x D) | N series: 396 x 324 x 17.8 mm R series: 396 x 324 x 21.7 mm |
| LED Driver Board | Efficiency | 85% |
| | Output Current & Voltage | 1500 mA / 24 V (Max.) |
| | Dimensions (W x H x D) | 80 x 54.2 x 6.5 mm |
| Touch Screen (R series) | Touch Screen | 5-Wire Resistive |
| | Light Transmission | 81± 3% |
| | Durability | 10 millions times |
| Environment | Operating Temperature | 0 ~ 50° C |
| | Storage Temperature | -20 ~ 60° C |
| | Humidity | 5 ~ 95% @ 40° C, non-condensing |

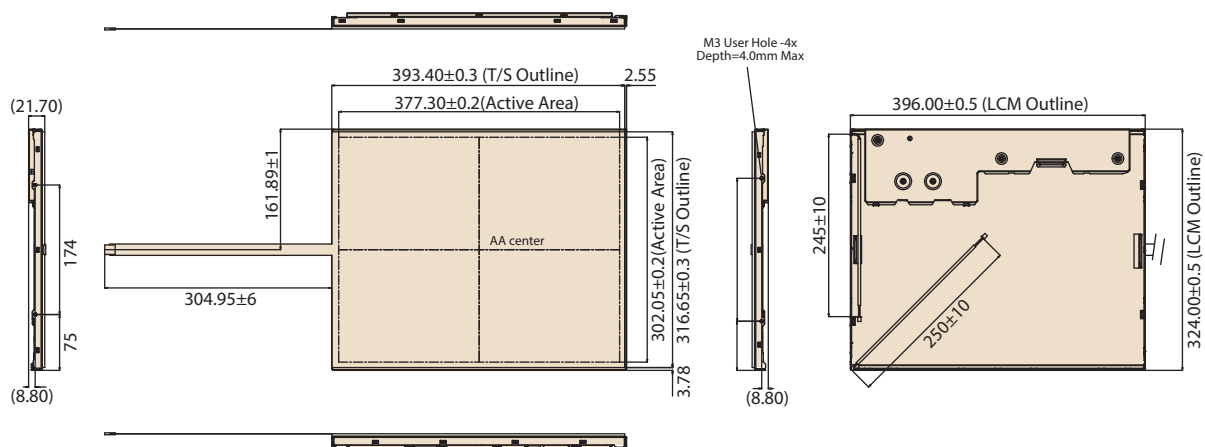
Dimensions

Unit: mm

IDK-2119N Series



IDK-2119R Series



Ordering Information

| Part No. | Size | Brightness (cd/m ²) | Interface | Touch screen | Touch Interface |
|-------------------|------|---------------------------------|-----------|------------------|-----------------|
| IDK-2119N-K2SXA2E | 19" | 1200 | LVDS | N/A | N/A |
| IDK-2119R-K2SXA2E | 19" | 1200 | LVDS | 5-Wire Resistive | 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 |
|--------------|----------------|---------------------------------------|----------------|-----------------|-------------------|
| MI0-5270 | 96CB-L3040PAF5 | Dual channel 24bit LVDS (SXGA) | 96CB-E0605HAB1 | USB | 5 V |
| AIMB-214 | 96CB-L3040PAF5 | Dual channel 24bit LVDS (SXGA) LVDS 1 | 96CB-E0605HAB1 | USB | 5 V |



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