

IDK-1112P

12.1" XGA Industrial Display kit with PCT Touch Solution



Features

- 12.1" IPS LCD supports 1024 x 768 pixels
- Brightness of 500 cd/m² with LED backlight
- Projected Capacitive touch solution
- High contrast ratio of 1000:1
- Wide view angle of 178°/178°
- LVDS signal interface
- Low power consumption 9.62 W (panel only)
- Touch controller included (USB)
- Anti Reflector surface treatment (optional)
- Optical bonding (optional)

Introduction

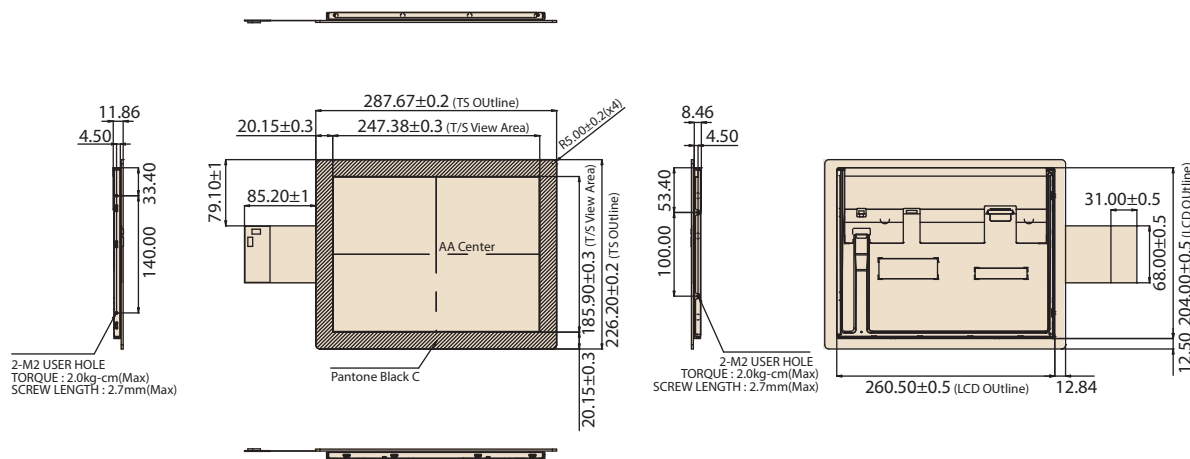
The Advantech IDK-1112P series comes with a 12.1" industrial grade IPS LCD display with Projected Capacitive touch. IDK-1112P series supports Projected Capacitive touch with low power consumption. IDK-1112P series is ideal for embedded applications which customers have maximum flexibility for mechanical design.

Specifications

| | | |
|--------------|-------------------------|-----------------------|
| LCD Panel | Display Size | 12.1", 4:3 |
| | Resolution | 1024 x 768 |
| | Display mode | Normally Black (IPS) |
| | Viewing Angle (U/D/L/R) | 178° / 178° |
| | Brightness | 500 cd/m ² |
| | Backlight Life (hrs) | 30,000 min |
| | Contrast Ratio | 1000 : 1 |
| | Response Time | 25 ms |
| | Colors | 262k/16.7M |
| | LCD Input Voltage | 3.3 V |
| | Power Consumption | 9.62W (white pattern) |
| | Signal Interface | 1 channel LVDS |
| | Weight | 490 g |
| | Dimensions (W x H x D) | 260.5 x 204 x 8.4mm |
| Touch Screen | Touch Type | Projected Capacitive |
| | Transparency | 88 ± 2% |
| | Interface | USB |
| | Surface Treatment | Clear |
| Environment | Black Border | Yes |
| | Operating Temperature | -20 ~ 70° C |
| | Storage Temperature | -30 ~ 80° C |

Dimensions

Unit: mm



Note: Tolerances unless marked are ±0.5mm

Ordering Information

| Part No. | Size | LCD Brightness (cd/m ²) | Interface | Touch screen | Touch Interface |
|------------------|-------|-------------------------------------|----------------|----------------------------|-----------------|
| IDK-1112P-50XGA1 | 12.1" | 500 | 1 Channel LVDS | Projected Capacitive Touch | USB |

Packing List

| Part Number | Description |
|---------------|---------------------------|
| 1700024808-01 | 1 x 180cm USB Touch cable |

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-5272 | 96CB-L2040PCC4 | 18bit LVDS | 96CB-E1005PCB3 | USB | 5 V |
| | 96CB-L2040PCC5 | 24bit LVDS | | | |
| AIMB-270 | 96CB-L2040PCC4 | 18bit LVDS | 96CB-E1005PCB3 | USB | 5 V |
| | 96CB-L2040PCC5 | 24bit LVDS | | | |

For more compatible embedded board solution, please visit our Build Your display web page as bellow
<http://www.advantech.com/buildyourdisplay>