

IDK-2112P

12.1" XGA 1,200 cd/m² Ultra High Brightness Industrial Display Kit with PCT Touch Solution



Features

- 12.1" IPS LCD supports 1024 x 768 pixels
- Brightness of 1200 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 18 W (panel only)
- Touch controller included (USB)
- Anti Reflector surface treatment (optional)
- Optical bonding (optional)

Introduction

The Advantech IDK-2112P series comes with a 12.1" industrial grade IPS LCD display with Projected Capacitive touch. IDK-2112P series supports Projected Capacitive touch with low power consumption. IDK-2112P series is ideal for embedded applications which customers have maximum flexibility for mechanical design.

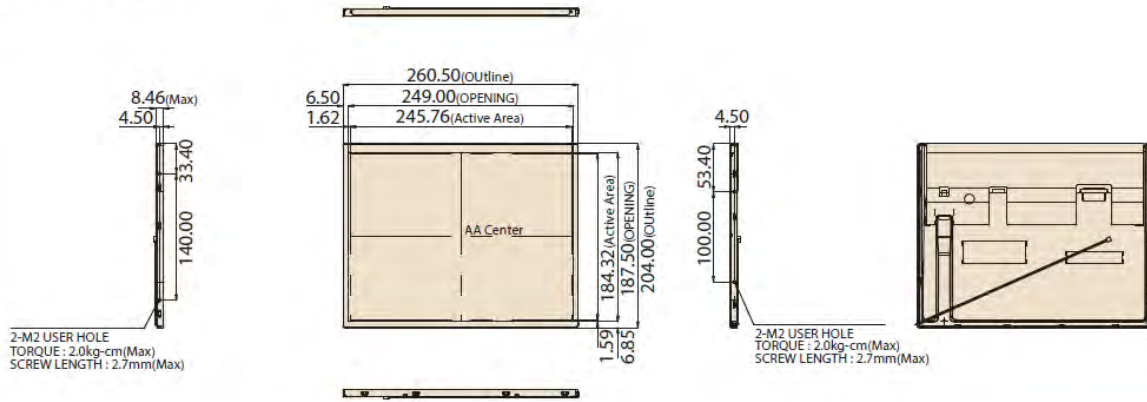
Specifications

LCD Panel	Display Size	12.1", 4:3
	Resolution	1024 x 768
	Display mode	Normally Black (IPS like)
	Viewing Angle (U/D/L/R)	178° / 178°
	Brightness	1200 cd/m ²
	Backlight Life (hrs)	50,000 min
	Contrast Ratio	1000 : 1
	Response Time	25 ms
	Colors	262k/16.2M
	LCD Input Voltage	3.3 V
	Consumption	18W (white pattern)
	Signal Interface	1 channel LVDS
	Weight	500 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
	Black Border	Yes
Environment	Operating Temperature	-20 ~ 70° C
	Storage Temperature	-30 ~ 80° C

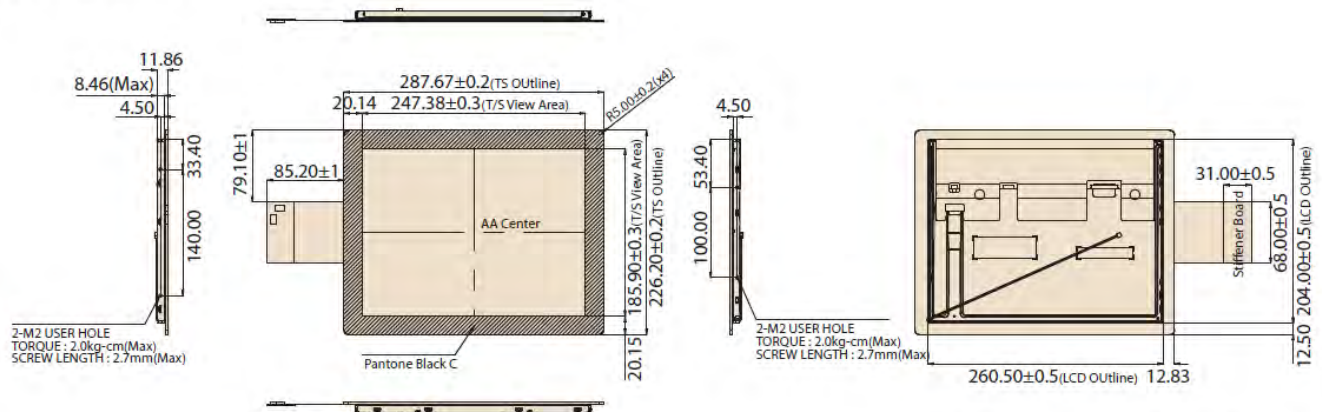
Unit: mm

Dimensions

IDK-2112N-K2XGA1



IDK-2112P-K2XGA1



Note: Tolerances unless marked are ±0.5mm

Ordering Information

Part No.	Size	LCD Brightness (cd/m ²)	Interface	Touch screen	Touch Interface
IDK-2112N-K2XGA1	12.1"	1200	1 Channel LVDS	N/A	N/A
IDK-2112P-K2XGA1	12.1"	1200	1 Channel LVDS	Projected Capacitive Touch	USB

Packing List

Part Number	Description
1700024808-01	1 x 180cm USB Touch cable (IDK-2112P-K2XGA1 only)

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
MIQ-5270	96CB-L2040PCC4	18bit LVDS	96CB-E1005PCB3	USB	5 V
AIMB-270	96CB-L2040PCC4	18bit LVDS	96CB-E0605HAA1	USB	5 V