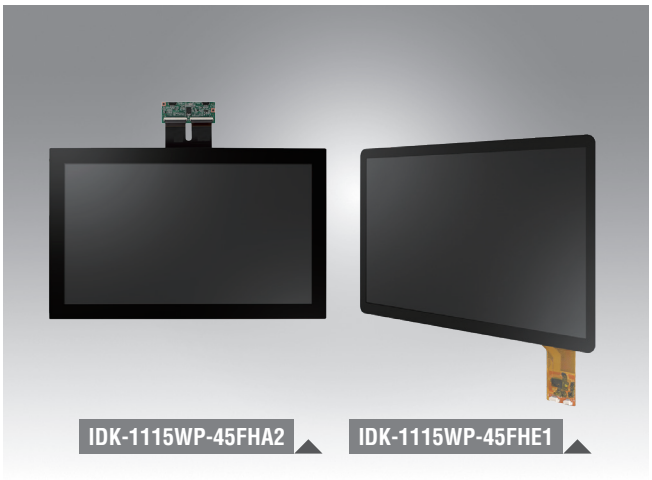
IDK-1115WP

15.6" Full HD Industrial Display kit with PCT Touch Solution



Features

- 15.6" LCD supports 1920 x 1080 pixels
- Brightness of 450 cd/m² with LED backlight
- Projected Capacitive touch solution
- High contrast ratio
- Wide view angle
- LVDS and eDP signal interface
- Low power consumption
- Touch controller included (USB)
- Anti-Reflector/Anti-Glare surface treatment (Customized request)
- Optical bonding (Customized request)

Introduction

The Advantech IDK-1115WP series comes with a 15.6" industrial grade IPS LCD display with Projected Capacitive touch. IDK-1115WP series supports Projected Capacitive touch with low power consumption. IDK-1115WP series is ideal for embedded applications which customers have maximum flexibility for mechanical design.

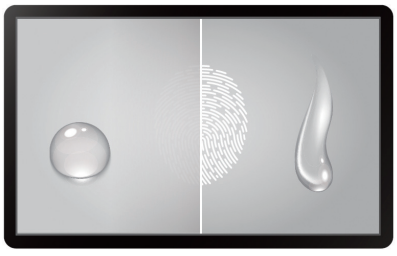
Specifications

Part No.		IDK-1115WP-45FHA2	IDK-1115WP-45FHE1
LCD Panel	Display Size	15.6", 16: 9	15.6"
	Resolution	1920 x 1080	1920 x 1080
	Display mode	Normally Black	Normally Black
	Viewing Angle (U/D/L/R)	170° x 170° (Full view)	178° x 178° (Full view)
	Brightness	450 cd/m²	450 cd/m²
	Backlight Life (hrs)	50,000	50,000
	Contrast Ratio	800:1	1000:1
	Response Time	25 ms	25ms
	Colors	16.7M	16.7M
	LCD Input Voltage	3.3V	3.3V
	Consumption	16W	11.1W
	Signal Interface	2 channel LVDS	2 Lane eDP
	Weight	1050 g	550g
	Dimensions (W x H x D)	363.80 x 215.9 x 9.3 mm	351.84 x 208.88 x 6.5 mm
Touch Screen	Touch Type	Projected Capacitive	Projected Capacitive
	Transparency	88 ± 3%	88 ± 3%
	Interface	USB	USB
	Surface Treatment	Anti-Fingerprint	Anti-Fingerprint
	Black Print	Yes	Yes
	Control IC	EXC80H84 (COB)	EXC81W60 (COF)
Environment	Operating Temperature	-20 ~ 70 °C	0 ~ 60° C
	Storage Temperature	-30 ~ 70 °C	-20 ~ 70° C

Full view display



AF v.s Clear



All product specifications are subject to change without notice.

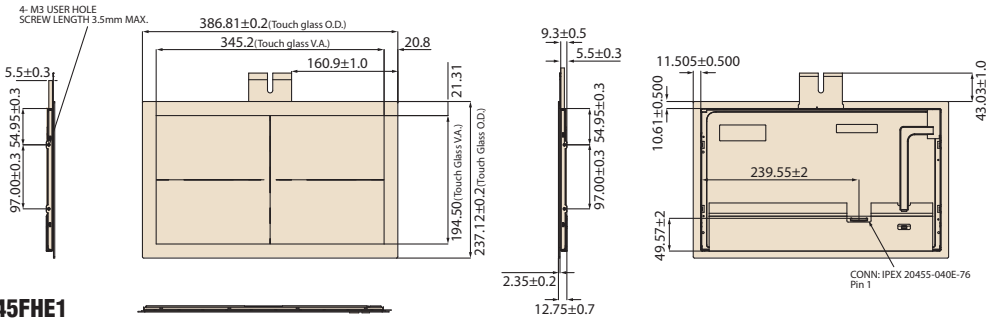
Last updated: 9-Apr-2026

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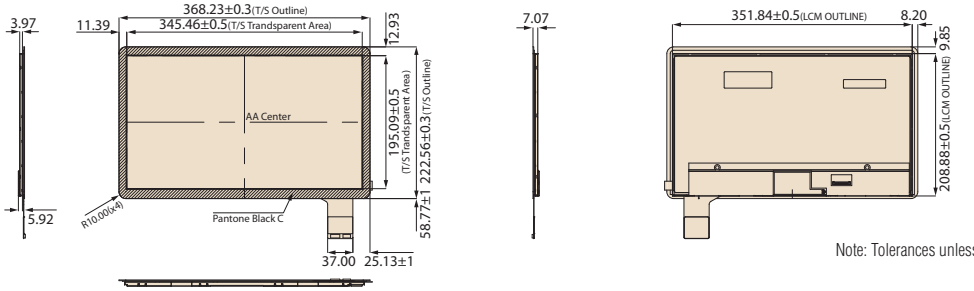
Dimensions

Unit: mm

IDK-1115WP-45FHA2

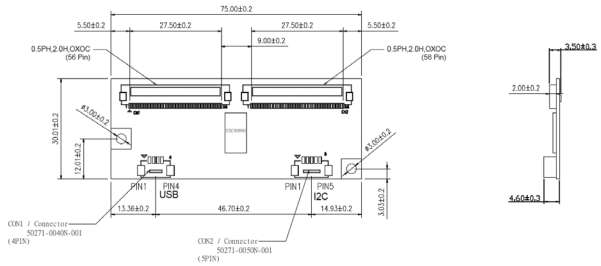


IDK-1115WP-45FHE1



Note: Tolerances unless marked are ±0.5mm

Touch Controller Board for IDK-1115WP-45FHA2



Ordering Information

Part No.	Size	LCD Brightness (cd/m²)	Interface	Touch screen	Touch Interface
IDK-1115WP-45FHA2	15.6"	450	2 Channel LVDS	Projected Capacitive Touch	USB
IDK-1115WP-45FHE1	15.6"	450	2 Lane eDP	Projected Capacitive Touch	USB

Optional Order

IDK-1115WP-45FHA2

SBC Part No.	LVDS cable P/N	Display interface	B/L cable P/N	Touch interface	Touch power input
MIO-5270	96CB-L4045PCF5	24bit LVDS	NA	USB	5 V
AIMB-270	96CB-L4045PCF5	24bit LVDS	NA	USB	5 V

IDK-1115WP-45FHE1

SBC Part No.	eDP cable P/N	Display interface	Touch interface	Touch power input
		eDP	USB	5V
		eDP	USB	5V

Packing List

IDK-1115WP-45FHA2

Part Number	Description
1700032282-01	1 x USB Touch cable
TCB156PGU0ZEH8410	1 x Touch Controller Board

Note: Package contents are subject to change without prior notice

IDK-1115WP-45FHE1

Part Number	Description
1700032283-01	1 x USB Touch cable

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

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