

IDP31-121W

12.1" up to 1,000 cd/m² Bezel-less Touch Monitor

IDP31-121WP60HIA1/ IDP31-121WP1KHIA1



Features

- Supports regular and Ultra High brightness 600 cd/m² & 1,000 cd/m²
- 12.1" LCD wide screen panel with LED backlight delivers a long service life
- Supports wide operating temperatures
- True flat surface – contemporary Proflat design
- Wide viewing angles support portrait and landscape modes
- Thin profile enclosure eliminates need for additional casing or metalwork
- Multi-touch PCAP touchscreen with USB interface
- IP rating for water and dust protection
- With air bonding process

Introduction

Advantech's IDP31-121W Proflat monitor meets demands for stylish contemporary public signage, medical, and POS applications. This solution features a flat, easy to clean/maintain glass surface with long-term product availability. IDP31-121W can be used in either portrait or landscape modes using a VESA mount. This solution's metal chassis creates a rugged and stable platform for a wide range of applications and solutions.

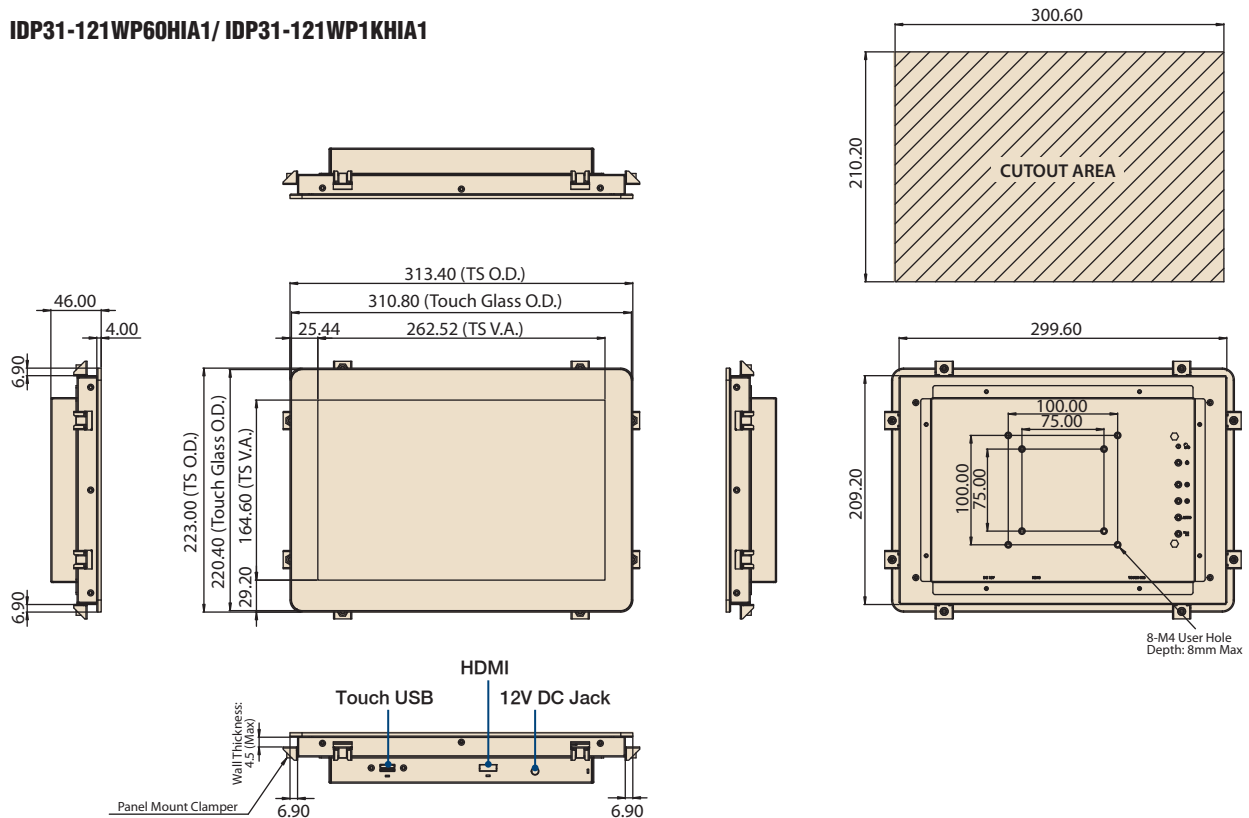
Specifications

Display Features	Spec		Notes
Model	IDP31-121WP60HIA1	IDP31-121WP1KHIA1	
Backlight	LED	LED	Light source
Resolution	1280 x 800	1280 x 800	WXGA, 16:10
Brightness	600 cd/m ²	1000 cd/m ²	Measured at typical operating voltage
Viewing Angle	89°/89°/89°/89°	89°/89°/89°/89°	Left/Right/Up/Down
Max Colors	16.7M	16.7M	
Contrast Ratio	1000:1	1000:1	
Response Time	25 ms	25 ms	
Backlight Lifetime	50,000 hours	50,000 hours	Typical time to half brightness in room temperature operation
Touchscreen Type	Projected Capacitive	Projected Capacitive	10 points
Surface Hardness	7H	7H	Pencil hardness
Transparency	80%	80%	
Cover Glass Thickness	1.8 mm	1.8 mm	
Operating Temperature	-20 ~ 70 °C	-20 ~ 70 °C	Panel Surface
Storage Temperature	-30 ~ 80 °C	-30 ~ 80 °C	
Humidity	90% RH @ 40 °C	90% RH @ 40 °C	Non-condensing
Input/Output	1 x HDMI; 1 x 12 V _{DC} Jack; 1 x USB	1 x HDMI, 1 x 12 V _{DC} Jack, 1 x USB	USB is reserved for the connection to enable touch only
OSD	Keys: Menu, Up, Down, Auto Adjust, Monitor Power on/off Menu Functions: Brightness, Contrast, Screen Settings, Color Temp, Language OSD settings, Recall, Auto Adjust	Keys: Menu, Up, Down, Auto Adjust, Monitor Power on/off Menu Functions: Brightness, Contrast, Screen Settings, Color Temp, Language OSD settings, Recall, Auto Adjust	
Power Consumption	14W	15W	
Power Input	12V _{DC}	12V _{DC}	
Mounting	VESA mount	VESA/Panel mount	
IP Rating	Front IP67	Front IP67	Panel front side only
Weight	4 kg	4 kg	

Dimensions

Unit: mm [inch]

IDP31-121WP60HIA1/ IDP31-121WP1KHIA1



Ordering Information

Model Name	Description
IDP31-121WP60HIA1	600 cd/m ² brightness, HDMI input
IDP31-121WP1KHIA1	1000 cd/m ² brightness, HDMI input

Optional Items

Part Number	Description
1700001524	3-Pin power cord (USA) - Mickey mouse type
1700019146	3-Pin power cord (China) - Mickey mouse type
170203183C	3-Pin power cord (EU) - Mickey mouse type
170203180A-01	3-Pin power cord 90° (UK) - Mickey mouse type
1700008921	3-Pin power cord with PSE (Japan) - Mickey mouse type
96PSA-A36W12R1-3	Adapter 100-240V 36W +12V/3A - Mickey mouse type
1700023591-01	HDMI cable 120CM

Packing List

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Part Number	Description
1700002215-11	1 x M cable USB-A(M)/USB-A(M) 180CM
1700028438-01	1 x HDMI cable 180CM
1962055040T000	8 x Clamper
1935042520	8 x Screw M4_25L