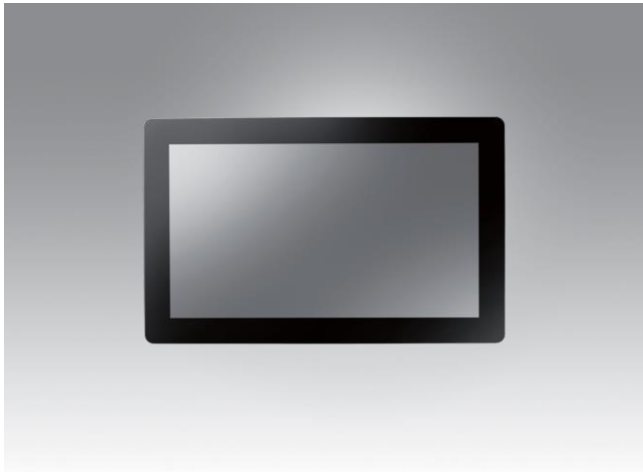


IDP31-156W

15.6" up to 1,200 cd/m² Ultra High Brightness Bezel-less Touch Monitor



Features

- 15.6" 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
- Optional anti-reflective surface treatment empowers sunlight readability
- Supports regular and Ultra High brightness 450 cd/m and 1200 cd/m²
- IP rating for water and dust protection



Introduction

Advantech's IDP31-156W 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. IDP31-156W 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.

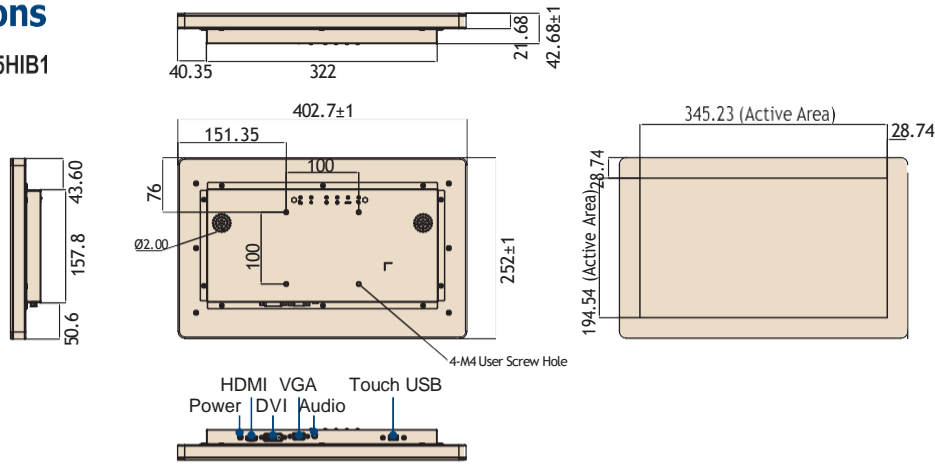
Specifications

| Display Features | Specifications | | | Notes |
|-----------------------|---|---|---|---|
| Model | IDP31-156WP45HIB1 (with built-in speakers), FHD | IDP31-156WP45HIA1, FHD | IDP31-156WPK2HIA1, FHD | |
| Backlight | LED | LED | LED | Light source |
| Resolution | 1920 x 1080 | 1920 x 1080 | 1920 x 1080 | Full HD |
| Brightness | 450 cd/m ² | 450 cd/m ² | 1200 cd/m ² | Measured at typical operating voltage |
| Viewing Angle | 89°/89°/89°/89° | 89°/89°/89°/89° | 89°/89°/89°/89° | Left/Right/Up/Down |
| Max Colors | 16.2M | 16.2M | 16.2M | |
| Contrast Ratio | 800:1 | 800:1 | 800:1 | |
| Response Time | 25 ms | 25 ms | 25 ms | |
| Backlight Lifetime | 50,000 hours | 50,000 hours | 50,000 hours | Typical time to half brightness in room temperature operation |
| Touchscreen Type | Projected Capacitive | Projected Capacitive | Projected Capacitive | 10 points |
| Surface Hardness | 6H | 7H | 7H | Pencil hardness |
| Transparency | 86% | 80% | 80% | |
| Cover Glass Thickness | 3 mm (0.12 in) | 1.8 mm (0.07 in) | 1.8 mm (0.07 in) | |
| Operating Temperature | -20 ~ 60 °C (-4 ~ 140 °F) | -20 ~ 65 °C (-4 ~ 149 °F) | -20 ~ 65 °C (-4 ~ 149 °F) | Panel Surface |
| Storage Temperature | -30 ~ 70 °C (-22 ~ 158 °F) | -30 ~ 70 °C (-22 ~ 158 °F) | -30 ~ 70 °C (-22 ~ 158 °F) | |
| Humidity | 90% @ 40 °C (104 °F) | 90% @ 40 °C (104 °F) | 90% @ 40 °C (104 °F) | Non-condensing |
| Input/Output | 1 x HDMI, 1 x VGA, 1 x DVI-D 1 x Audio (audio output 3W) 1 x 12 V _{DC} Jack, 1 x USB | 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 |
| Power Consumption | 12W | 19W | 21.8W | |
| Power Input | 12V _{DC} | 12V _{DC} | 12V _{DC} | |
| Mounting | VESA mount | VESA/Panel mount | VESA/Panel mount | |
| IP Rating | Front IP54 | Front IP67 | Front IP67 | |
| Package Dimensions | 510 x 175 x 410 mm (20 x 6.88 x 16.1 in) | 485 x 165 x 365 mm (18.3 x 6.40 x 14.3 in) | 485 x 165 x 365 mm (18.3 x 6.40 x 14.3 in) | |
| Net Weight | 5.0 kg (11 lb) | 3.2 kg (7.93 lb) | 3.2 kg (7.93 lb) | |
| Gross Weight | 6.0 kg (13.2 lb) | 4.2 kg (9.25 lb) | 4.2 kg (9.25 lb) | |

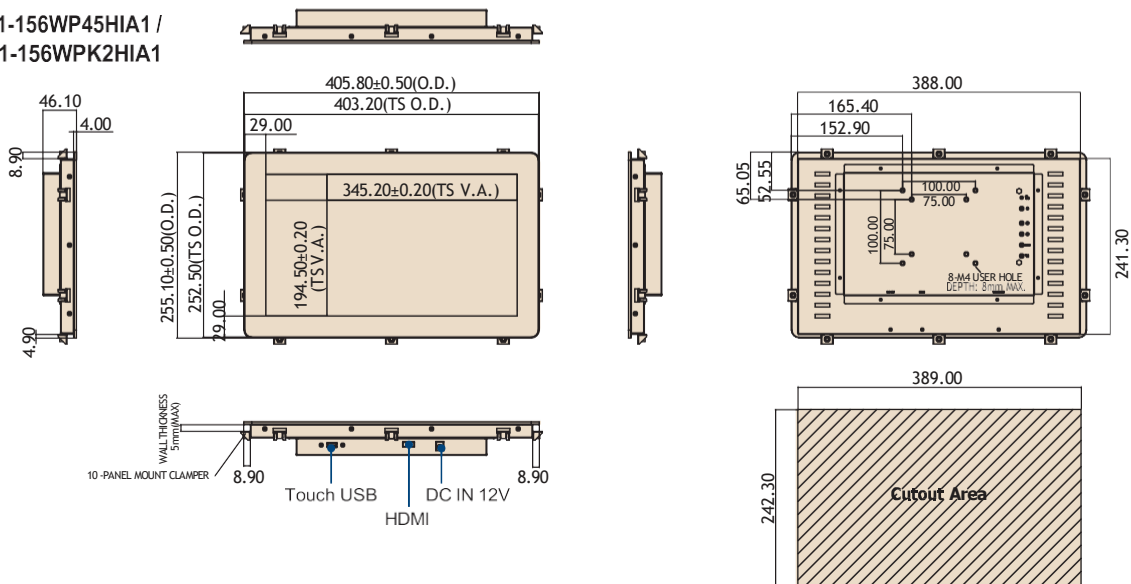
Dimensions

IDP31-156WP45HIB1

Unit: mm



IDP31-156WP45HIA1 /
IDP31-156WPK2HIA1



Ordering Information

| Model Name | Description |
|-------------------|---|
| IDP31-156WP45HIB1 | 15.6", Bezel-less touch monitor with PCAP touch screen, FHD, 450 cd/m ² brightness, VGA, DVI, and HDMI input |
| IDP31-156WP45HIA1 | 15.6", Bezel-less touch monitor with PCAP touch screen, FHD, 450 cd/m ² brightness, and HDMI input |
| IDP31-156WPK2HIA1 | 15.6", Bezel-less touch monitor with PCAP touch screen, FHD, 1200 cd/m ² brightness, and HDMI input |

Optional Items

| Part Number | Description |
|------------------|---|
| 1702002600 | 3-Pin power cord (USA) – IEC Kettle type |
| 1700000596 | 3-Pin power cord (China) – IEC Kettle type |
| 1700018705 | 3-Pin power cord (EU) – IEC Kettle type |
| 1700018704 | 3-Pin power cord (UK) – IEC Kettle type |
| 1700000237-31 | 3-Pin power cord with PSE (Japan) – IEC Kettle type |
| 96PSA-A60W12R1-3 | Adapter AC100-240V 60W +12V/5A – IEC Kettle type |
| 1700023591-01 | HDMI cable 1.2m (3.9ft) |

Packing List

IDP31-156WP45HIB1

| Part Number | Description |
|---------------|---|
| 1700002215-11 | 1 x M cable USB-A(M)/USB-A(M) 180cm (5.9ft) |
| 1700021332-11 | 1 x VGA cable 15P(M) 1.8m (5.9ft) |

IDP31-156WP45HIA1 & IDP31-156WPK2HIA1

| Part Number | Description |
|---------------|---|
| 1700002215-11 | 1 x M cable USB-A(M)/USB-A(M) 180cm (5.9ft) |
| 1700027186-01 | HDMI cable 1.5m (4.9ft) |
| 1930002205 | 10 x Screw M4_30L |
| 1962055040 | 10 x Clamper |
| 1992610005 | 1 x Cable clamp |
| 1933030500 | 1 x Screw of cable clamp |

All Advantech monitors are configurable to order. Use www.advantech.com for guidance on versions, pricing and deliver for all models