

# WPC-156WAC-12th

12th Gen Intel® Alder Lake Core™  
i3-1215U / i5-1235U / i7-1255U processor



## Features

- Industrial-grade 15.6" FHD LCD panel with 50k backlight lifetime
- Optical bonding PCAP multipoint touch screen
- 12th Gen Intel® Alder Lake Core™ i3 / i5 / i7 processor
- 2 x DDR5 SDRAM, max.64GB, 1 x M.2 2280, NVMe or SATA SSD
- SP13 I/O ports: 2 x LAN / 2 x USB / 1 x COM
- Full device IP66/IP69K with Strong aluminum alloy casing
- Support TPM2.0 hardware security
- Wide Operating Temperature -20°C to 70°C
- 9V to 36V DC Wide Range Power Input, Supporting OVP / OCP / RPP

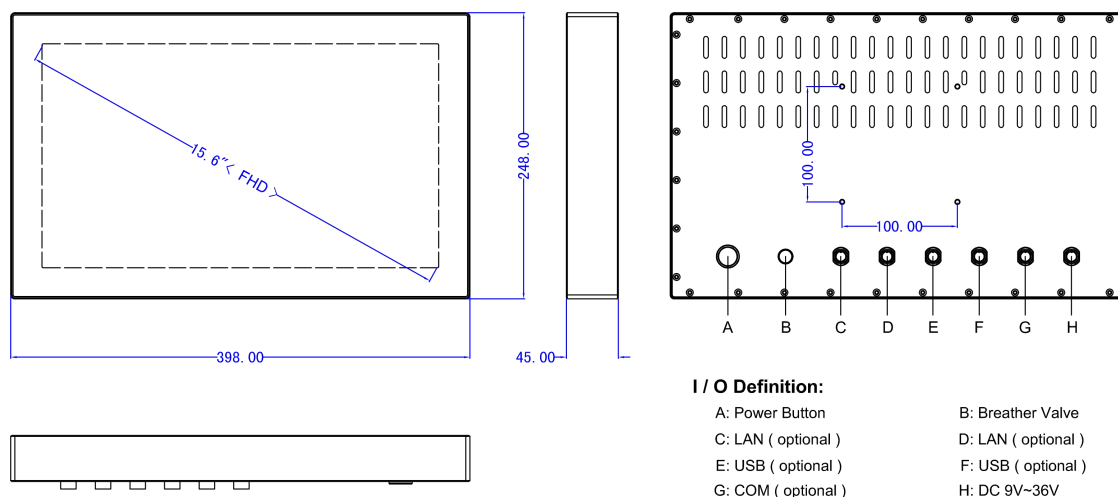
## Specifications

| System              |                                                         |                                |                                |
|---------------------|---------------------------------------------------------|--------------------------------|--------------------------------|
| CPU                 | 12th Gen Intel® Core™ i3-1215U                          | 12th Gen Intel® Core™ i5-1235U | 12th Gen Intel® Core™ i7-1255U |
| L2 Cache            | 10MB                                                    | 12MB                           | 12MB                           |
| TDP                 | 15W                                                     | 15W                            | 15W                            |
| Graphics            | Intel® UHD Graphics                                     | Intel® Iris® Xe Graphics       | Intel® Iris® Xe Graphics       |
| System Chipset      | Integrated With Intel® SoC                              |                                |                                |
| Memory              | 2 x DDR5 4800 MHz 8GB, Up to 64GB                       |                                |                                |
| Harddisk            | 1 x M.2 120G SSD ( 250G / 500G / 2TB SSD)               |                                |                                |
| Network             | Intel® 226-V GbE LAN                                    |                                |                                |
| Audio               | Realtek ALC897 Audio controller                         |                                |                                |
| TPM                 | TPM 2.0                                                 |                                |                                |
| Watchdog Timer      | Software Programmable Supports 1~255 sec. System Reset  |                                |                                |
| Operation System    | Windows 10 / 11, Linux, Ubuntu                          |                                |                                |
| I / O               |                                                         |                                |                                |
| VIDEO               | 1 x H-DMI ( Optional )                                  |                                |                                |
| Ethernet            | 2 x SP13 Waterproof Giga LAN RJ45 Connector             |                                |                                |
| USB                 | 2 x SP13 Waterproof Connector For USB2.0                |                                |                                |
| COM                 | 1 x SP13 Waterproof Connector For COM                   |                                |                                |
| Wireless Network    | Optional ( WiFi / Bluetooth / 4G / 5G )                 |                                |                                |
| Other I/O Interface | 1 x Power Switch                                        |                                |                                |
| Expansion           |                                                         |                                |                                |
| M.2                 | 1*M.2 ( Key-E, 2230, PCIe+USB, Wifi+BT )                |                                |                                |
|                     | 1*M.2 ( Key-B, 3042/3052, PCIe/ USB 3.0+USB2.0, 4G/5G ) |                                |                                |
|                     | 1*M.2 ( Key-M, 2280, NVMe/ SATA, SSD )                  |                                |                                |
| SIM Socket          | 1x SIM Socket                                           |                                |                                |
| Display             |                                                         |                                |                                |
| LCD Size            | 15.6" ( 16:9 )                                          |                                |                                |
| Resolution          | 1920 x 1080 ( FHD )                                     |                                |                                |
| Brightness (cd/m²)  | 450 cd/m2                                               |                                |                                |
| Contrast Ratio      | 1000:1                                                  |                                |                                |
| Backlight MTBF      | 50,000 hrs ( LED Backlight )                            |                                |                                |
| Viewing Angle       | 89 / 89 / 89 / 89 (CR≥10) ( L / R / U / D )             |                                |                                |
| Touch screen        |                                                         |                                |                                |
| Touch Type          | Optical bonding PCAP Touch                              |                                |                                |
| Surface Hardness    | ≥7H                                                     |                                |                                |

We reserve the right to change specifications and product descriptions at any time without prior notice.

| Power                 |                                                                                                   |
|-----------------------|---------------------------------------------------------------------------------------------------|
| Power Input           | 1 x SP13 Waterproof Connector For 9V~36V DC                                                       |
| Power Mode            | Support AT, ATX Mode                                                                              |
| Power Protection      | OVP (Over Voltage Protection)   OCP (Over Current Protection)   RPP (Reverse Polarity Protection) |
| Power Consumption     | ≤45W                                                                                              |
| Physical              |                                                                                                   |
| Material              | Aluminum Alloy Shell                                                                              |
| Mounting              | Stand / Wall / VESA                                                                               |
| Dimension (W x H x D) | 398 x 248 x 45 mm                                                                                 |
| Packing Size          | 460 x 180 x 400 mm                                                                                |
| Weight (Net)          | 4.8KG                                                                                             |
| Environment           |                                                                                                   |
| Operating Temperature | -20~70°C ( -4~158°F )                                                                             |
| Storage Temperature   | -30~80°C (-22~176°F)                                                                              |
| Relative Humidity     | 5%~95%@40°C, non-condensing                                                                       |
| Vibration Protection  | 1.5 Grms, IEC 60068-2-64, random, 5 ~ 500 Hz, 1 hr/axis                                           |
| IP Level              | IP66 / IP69K                                                                                      |
| EMC                   | CE, FCC, Class A, ROHS                                                                            |

## Dimension & I/O



**Product Dimensions: 398 x 248 x 45 mm ( 15.67 x 9.76 x 1.77 in )**

## Ordering info

| Available models | Description                                                                                                       |
|------------------|-------------------------------------------------------------------------------------------------------------------|
| WPC-3156WAC      | Fanless Waterproof Industrial PC 12th Gen Intel® Alder Lake Core™ i3-1215U 1.2GHz Processor With Capacitive touch |
| WPC-5156WAC      | Fanless Waterproof Industrial PC 12th Gen Intel® Alder Lake Core™ i5-1235U 1.3GHz Processor With Capacitive touch |
| WPC-7156WAC      | Fanless Waterproof Industrial PC 12th Gen Intel® Alder Lake Core™ i7-1255U 1.7GHz Processor With Capacitive touch |

## Packing list

|                                  |
|----------------------------------|
| 1 x Standard product             |
| 1 x 60W PSU (Power Supply)       |
| 2 x SP13 Waterproof USB Cable 2M |
| 1 x SP13 Waterproof COM Cable 2M |
| 2 x SP13 Waterproof LAN Cable 2M |



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