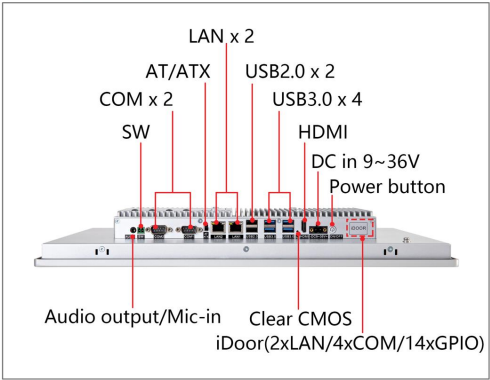


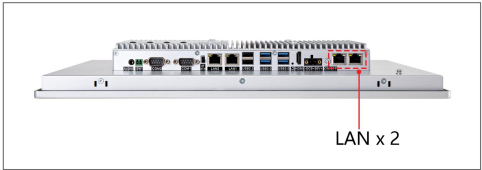
# 23.8 inch Panel PC



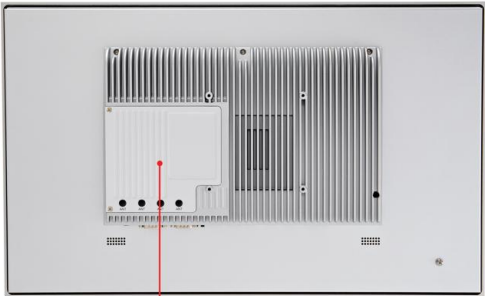
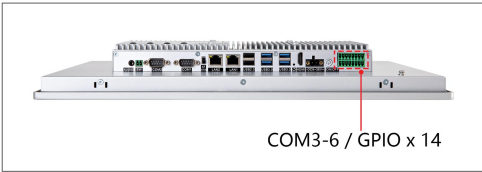
Default I/o View



Optional I/O View:iDOOR-2x LAN



Optional I/O View : iDOOR-4x COM / 14xGPIO



HDD/SSD/Memory/WiFi/4G/5G/CMOS BAT.  
Einbauschacht

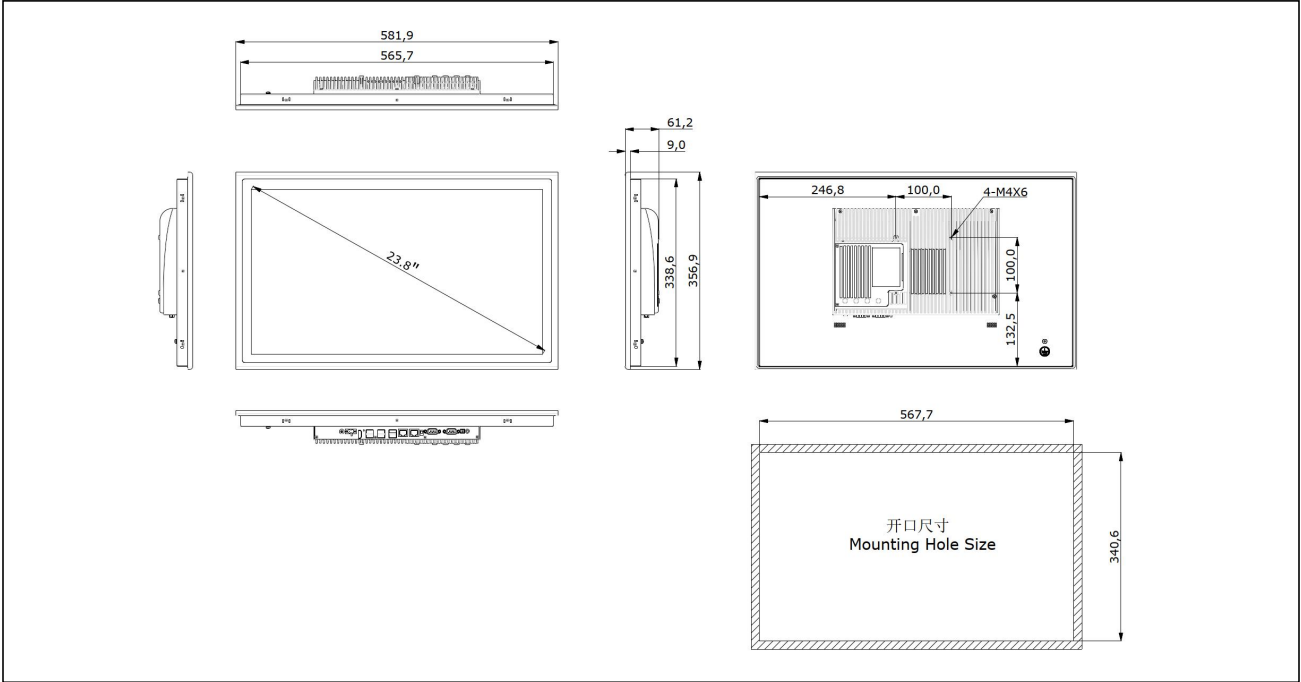
## Features

- Supports Intel® J6412,N97 & 6<sup>th</sup> ~ 12<sup>th</sup> Gen U-Series Core™ i3/i5/i7 processors
- LCD+HDMI dual displays (sync/async mode)
- IP65-rated front panel
- Fanless design with aluminum alloy enclosure
- 9~36V Wide Range DC input

## Specifications

| System                 |                                                                                                                                                                                                                                                                  |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model                  | HPM132-AC238M                                                                                                                                                                                                                                                    |
| Processor *1           | Intel® J6412,N97 & 4 <sup>th</sup> ~12 <sup>th</sup> Gen U-Series Core™i3/i5/i7 ,Refer to Note 1 on the next page for details.                                                                                                                                   |
| Memory *2              | The memory type is determined by the CPU model                                                                                                                                                                                                                   |
| Ethernet               | 2 x GbE RJ45 intel i210-AT                                                                                                                                                                                                                                       |
| I/O Port               | 4 x USB3.0, 2 x USB2.0<br>2 x DB-9 COM1&COM2,RS-232/485<br>1 x Audio Line-out/Mic-in<br>2 x 8Ω 1W Audio AMP out(Optional)<br>1 x Remote switch Phoenix<br>1 x AT/ATX Switch<br>1 x HDMI<br>1x Clear CMOS Button<br>1x iDOOR ( 2xLAN / 4xCOM / 14xGPIO Optional ) |
| Storage *3             | 1 x M.2 2280 SSD ( SATA/NVMe )<br>1x SATA( 2.5" SATA)                                                                                                                                                                                                            |
| Expansion Slot         | Mini-PCIe x 1 full size with SIM Card for 3G/4G<br>M.2 Key E x 1 for WIFI/BT<br>M.2 Key B x 1 for 5G                                                                                                                                                             |
| Watchdog timer         | 255 Levels                                                                                                                                                                                                                                                       |
| OS Support             | Windows® 7/10/11,Linux                                                                                                                                                                                                                                           |
| Mechanical             |                                                                                                                                                                                                                                                                  |
| Construction           | Aluminum Design                                                                                                                                                                                                                                                  |
| Mounting               | VESA 100/ Panel Mount                                                                                                                                                                                                                                            |
| Dimension              | 581.9 x 356.9 x 61.2 mm                                                                                                                                                                                                                                          |
| Gross Weight           | TBD                                                                                                                                                                                                                                                              |
| Environmental          |                                                                                                                                                                                                                                                                  |
| Operating Temperature  | -10℃~60℃                                                                                                                                                                                                                                                         |
| Storage Temperature    | -20℃~70℃                                                                                                                                                                                                                                                         |
| Storage Humidity       | 10~90%@30℃, non-condensing                                                                                                                                                                                                                                       |
| Power Supply           |                                                                                                                                                                                                                                                                  |
| DC input               | DC 9~ 36V 2-pin Phoenix Connector                                                                                                                                                                                                                                |
| LCD                    |                                                                                                                                                                                                                                                                  |
| Display Type           | 23.8" TFT-LCD                                                                                                                                                                                                                                                    |
| Resolution             | 1920 x 1080                                                                                                                                                                                                                                                      |
| Max.Colors             | 16.7M                                                                                                                                                                                                                                                            |
| Luminance              | 250 cd/m2                                                                                                                                                                                                                                                        |
| Viewing Angle (CR>=10) | -89 ~ 89°(H),-89~89° (V)                                                                                                                                                                                                                                         |
| Back Light             | LED                                                                                                                                                                                                                                                              |
| Back Light MTBF(Hours) | 50,000                                                                                                                                                                                                                                                           |
| Touchscreen            |                                                                                                                                                                                                                                                                  |
| Type                   | P-CAP Multi Touch                                                                                                                                                                                                                                                |
| Light Transmission     | >85%                                                                                                                                                                                                                                                             |
| Life Time              | 7H                                                                                                                                                                                                                                                               |

Dimensions    ■ Unit: mm



Recommended CPU models

The industrial Panel PC has extended configuration possibilities to meet your requirements, below an overview of the most used and recommended models. Selecting one of the models below will bring the benefit of faster delivery times.  
In case your preferred model is not listed below, please contact your representative to discuss the possibilities.

| *1 CPU Models | *2 Memory type                      | *3 Storage Type                                 |
|---------------|-------------------------------------|-------------------------------------------------|
| J6412         | DDR4-3200MHz SO-DIMM x1, up to 32GB | 1x M.2 2280 SSD (SATA), 1x SATA 3.0 (2.5")      |
| N97           | DDR4-3200MHz SO-DIMM x1, up to 16GB | 1x M.2 2280 SSD (SATA/NVMe), 1x SATA 3.0 (2.5") |
| i5-7200U      | DDR4-2400MHz SO-DIMM x1, up to 16GB | 1x M.2 2280 SSD (SATA/NVMe), 1x SATA 3.0 (2.5") |
| i7-7500U      | DDR4-2400MHz SO-DIMM x1, up to 16GB | 1x M.2 2280 SSD (SATA/NVMe), 1x SATA 3.0 (2.5") |
| i5-8250U      | DDR4-2400MHz SO-DIMM x1, up to 16GB | 1x M.2 2280 SSD (SATA/NVMe), 1x SATA 3.0 (2.5") |
| i3-1115G4     | DDR4-3200MHz SO-DIMM x1, up to 32GB | 1x M.2 2280 SSD (SATA/NVMe), 1x SATA 3.0 (2.5") |
| i5-1135G7     | DDR4-3200MHz SO-DIMM x1, up to 32GB | 1x M.2 2280 SSD (SATA/NVMe), 1x SATA 3.0 (2.5") |
| i7-1195G7     | DDR4-3200MHz SO-DIMM x1, up to 32GB | 1x M.2 2280 SSD (SATA/NVMe), 1x SATA 3.0 (2.5") |
| i3-1215U      | DDR4-3200MHz SO-DIMM x1, up to 32GB | 1x M.2 2280 SSD (SATA/NVMe), 1x SATA 3.0 (2.5") |
| i5-1235U      | DDR4-3200MHz SO-DIMM x1, up to 32GB | 1x M.2 2280 SSD (SATA/NVMe), 1x SATA 3.0 (2.5") |
| i7-1255U      | DDR4-3200MHz SO-DIMM x1, up to 32GB | 1x M.2 2280 SSD (SATA/NVMe), 1x SATA 3.0 (2.5") |
| i7-8550U      | DDR4-3200MHz SO-DIMM x1, up to 32GB | 1x M.2 2280 SSD (SATA/NVMe), 1x SATA 3.0 (2.5") |

Packing List

- HPM132-AC238M
- Power Adapter
- Mounting clip
- Phoenix Connector for Remote switch

Optional Accessories

- WIFI Module
- 4G/5G Module
- SSD, Memory
- iDOOR expansion card (LAN/COM/GPIO)
- VESA Mounting brackets