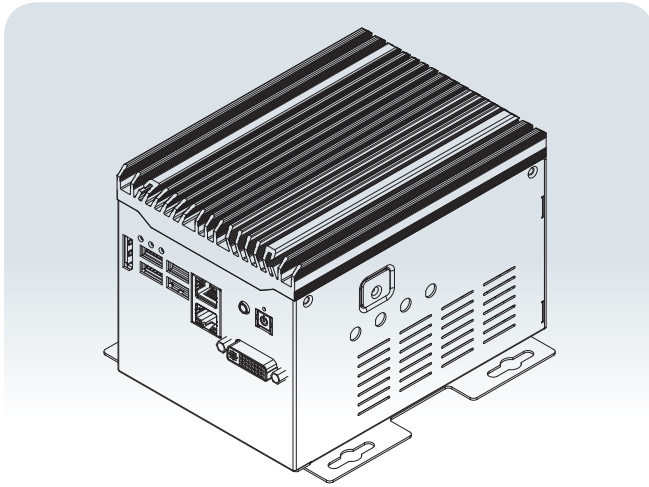


# SPC-6000-AUT3

Intel Atom® x6425E Processor (Elkhart Lake), Ultra-Compact Fanless Embedded Box PC, 1 GigE LAN, 1 2.5G LAN, 2 USB 3.1, 4 COM, 24V DC-in, 5°C to 55°C Extended Temperature



## Features

- Onboard Quad Core Intel Atom® x6425E processor (Elkhart Lake)
- Fanless, 5°C to 55°C operating temperature
- DDR4 3200MHz memory, up to 32GB
- DVI-I and DisplayPort dual display supports up to 4K resolution
- 1 independent 2.5GigE LAN supports Intel® TCC and TSN for real-time data synchronization
- 1 independent Gigabit Ethernet Controller supports 10/100/1000 Mbps data transfer
- 2 USB 3.1, 2 USB 2.0, 4 COM RS-232/422/485



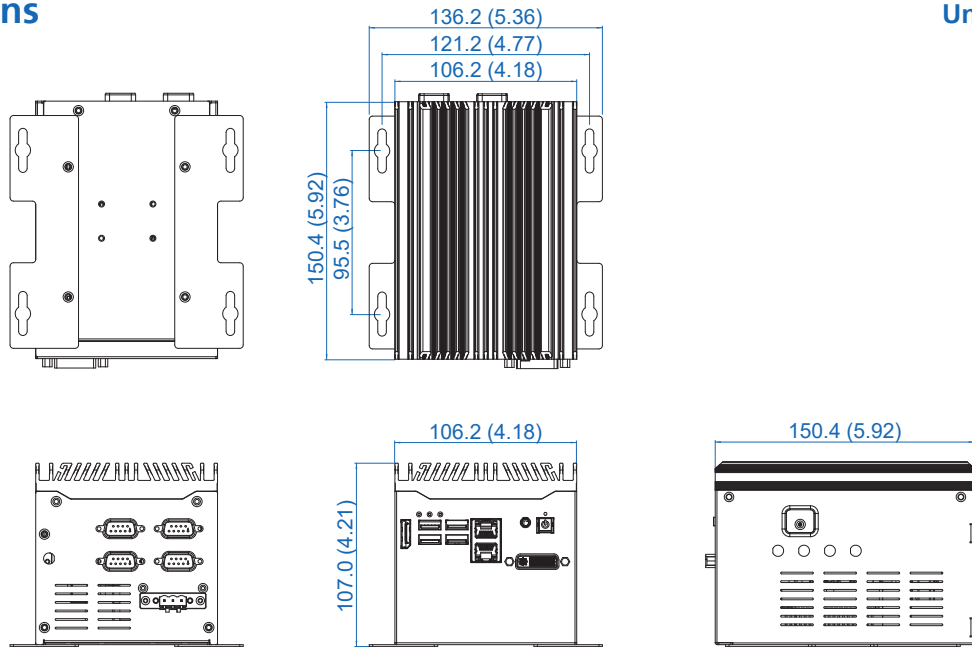
## Specifications

| System             |   |
|--------------------|---|
| Processor          | Intel Atom® x6425E Processor (Elkhart Lake)   |
| Chipset            | Intel® SoC  |
| BIOS               | AMI   |
| SIO                | IT8786E   |
| Memory             | 1 DDR4 3200MHz SO-DIMM, up to 32GB  |
| I/O Interface      |   |
| Serial             | 4 COM RS-232/422/485(ESD 8kV)   |
| USB                | <ul style="list-style-type: none"> <li>▪ 2 USB 3.1 (External)</li> <li>▪ 2 USB 2.0 (External)</li> </ul>  |
| LED                | HDD, WLAN, Power, WWAN  |
| Expansion          |   |
| M.2                | <ul style="list-style-type: none"> <li>▪ 1 M.2 Key B Socket (3042/3052)</li> <li>▪ 1 M.2 Key E Socket (2230)</li> </ul>                             |
| Graphics           |   |
| Graphics Processor | Intel® UHD Graphics for 10th Gen Intel® Processors  |
| Interface          | Dual Display : <ul style="list-style-type: none"> <li>▪ DVI-I : Up to 3840 x 2160 @60Hz</li> <li>▪ DisplayPort : Up to 4096 x 2160 @60Hz</li> </ul> |
| Storage            |   |
| M.2                | 1 M.2 Key M Socket (2280, PCIe x2/SATA)   |
| Audio              |   |
| Audio Codec        | Realtek ALC888S-VD, 7.1 Channel HD Audio  |
| Audio Interface    | Line-out  |
| Ethernet           |   |
| LAN 1              | Intel® Ethernet Controller I210 supports GigE LAN   |
| LAN 2 (2.5G)       | Intel® Ethernet Controller I225 supports 2.5GigE LAN  |

| Power                  |   |
|------------------------|---|
| Power Input            | 24V DC-in   |
| Power Interface        | 3-pin Terminal Block : V+, V-, Frame Ground   |
| Others                 |   |
| TPM                    | Infineon SLB9670, SPI Interface   |
| Watchdog Timer         | Reset: 1 to 255 sec./min. Per Step  |
| Smart Mgmt.            | Wake on LAN   |
| HW Monitor             | Monitoring temperature, voltages. Auto throttling control when CPU overheats.                                       |
| Software Support       |   |
| OS                     | Windows 10, Linux   |
| Mechanical             |   |
| Dimensions (W x L x H) | 106.2mm x 150.4mm x 107.0mm (4.18" x 5.92" x 4.21")   |
| Weight                 | 1.6 kg (3.5 lb)   |
| Mounting               | Wallmount by mounting bracket   |
| Environment            |   |
| Operating Temperature  | 5°C to 55°C (41°F to 131°F)   |
| Storage Temperature    | -40°C to 85°C (-40°F to 185°F)  |
| Humidity               | 5% to 95% Humidity, Non-condensing  |
| Relative Humidity      | 95% @55°C   |
| Shock                  | <ul style="list-style-type: none"> <li>▪ IEC 60068-2-27</li> <li>▪ SSD : 50G @wallmount, Half-sine, 11ms</li> </ul> |
| Vibration              | <ul style="list-style-type: none"> <li>▪ IEC 60068-2-64</li> <li>▪ SSD : 5Grms, 5Hz to 500Hz, 3 Axis</li> </ul>     |
| EMC                    | CE, FCC, EN50155, EN50121-3-2   |

## Dimensions

Unit : mm/ inch



## Order Information

|                      |   |
|----------------------|---|
| <b>SPC-6000-AUT3</b> | SPC-6000, onboard intel Atomx6425E Processor, 1 GigE LAN, 1 2.5G LAN, 2 USB 3.1, 4 COM, 24V DC-in |
|----------------------|---|

### Accessories

|                             |  |
|-----------------------------|--|
| <b>DDR4 32G</b>             | Certified DDR4 32GB 3200MHz RAM  |
| <b>DDR4 16G</b>             | Certified DDR4 16GB 3200MHz RAM  |
| <b>DDR4 8G</b>              | Certified DDR4 8GB 3200MHz RAM   |
| <b>DDR4 4G</b>              | Certified DDR4 4GB 3200MHz RAM   |
| <b>PWA-60WP3-WT</b>         | 60W, 24V/2.5A 90V AC to 264V AC Power Adapter with 3-pin Terminal Block, Wide Temperature -30°C to +70°C |
| <b>M.2 Storage Module</b>   | M.2 Key M/Key B PCIe Storage Module  |
| <b>5G Module</b>            | 5G Module with Antenna   |
| <b>4G Module</b>            | 4G/GPS Module with Antenna   |
| <b>WiFi &amp; Bluetooth</b> | WiFi & Bluetooth Module with Antenna   |
| <b>WiFi &amp; Bluetooth</b> | WiFi & Bluetooth Module with Antenna   |

### Optional Software

|                          |                      |
|--------------------------|----------------------|
| <b>VHub AI Developer</b> | AI Development Kit   |
| <b>VHub ROS</b>          | AMR Development Kit  |
| <b>VHub EtherCAT</b>     | I/O Control Platform |