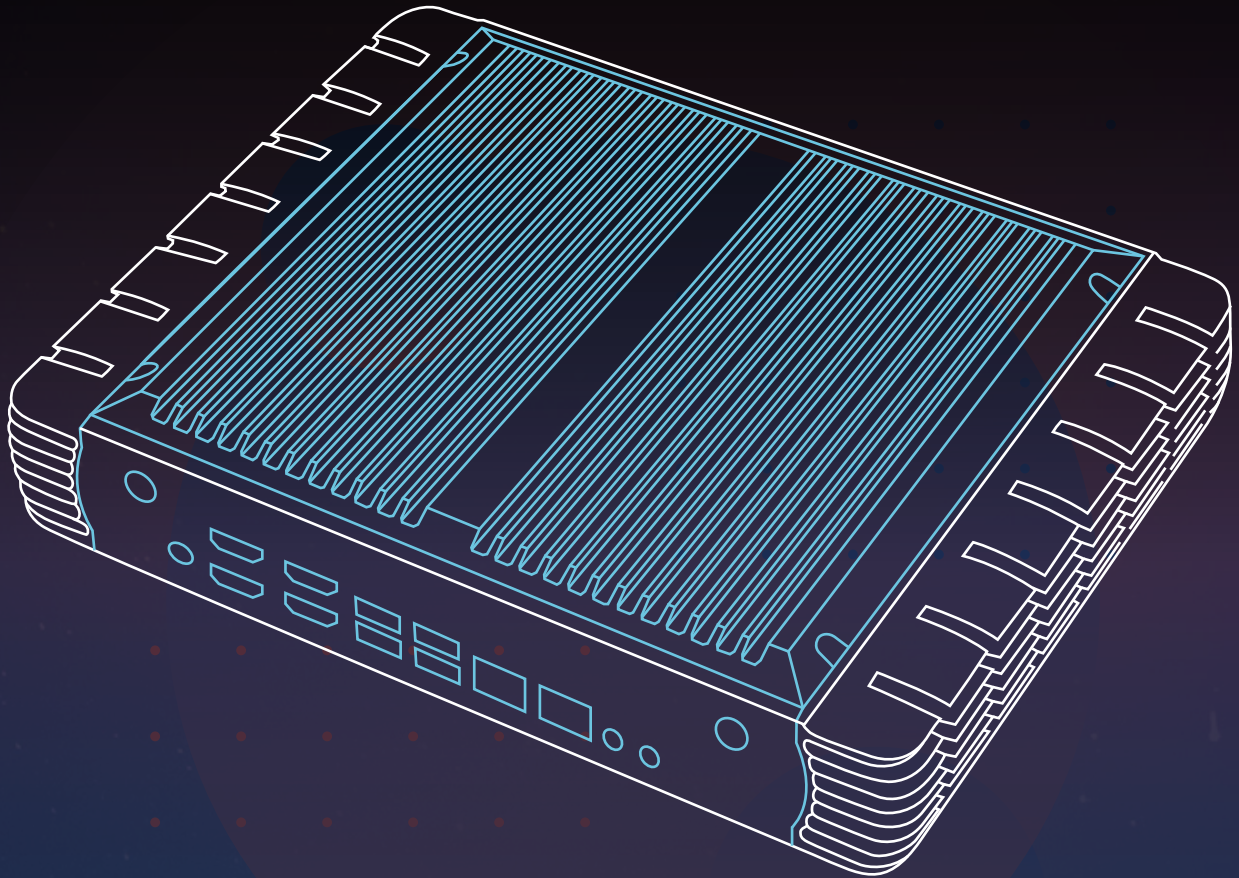


 **FLEEX**  
600

*Intel Alder Lake  
Processor based  
Fanless Server*



## Features

- CPU: Intel® i3 Alder Lake-U series processor
- Memory: Dual channel SO-DIMM DDR4 8GB
- GPU: Integrated Intel Iris® Xe /UHD Graphics via CPU
- Ethernet Controller: Intel i225/i226 + Intel i219
- Storage: 1xM.2 for NVMe 256GB
- Power: 19V DC-in



IoT Solutions  
Alliance  
Industrial Solution  
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## Introduction

The Fleex-600 is a compact, fanless, embedded industrial server powered by the 12th Gen Intel Core i3 processor, designed for performance-demanding applications with solid protection. It provides an immersive visual experience with Intel Iris Xe or UHD Graphics through 4x HDMI2.0. It supports dual-channel SO-DIMM DDR4 up to 8GB, two RJ45 1-Gigabit Ethernet controllers, and M.2, SATA3.0 for storage. A comprehensive input/output interface includes 2xUSB2.0, 4xUSB3.2, and Mic-in+ Line-out with standard DC-in, which caters to most market requirements.

As an ideal solution for all Fleex software products. The powerful features can provide a great user experience with increased productivity, stability, and reliability.

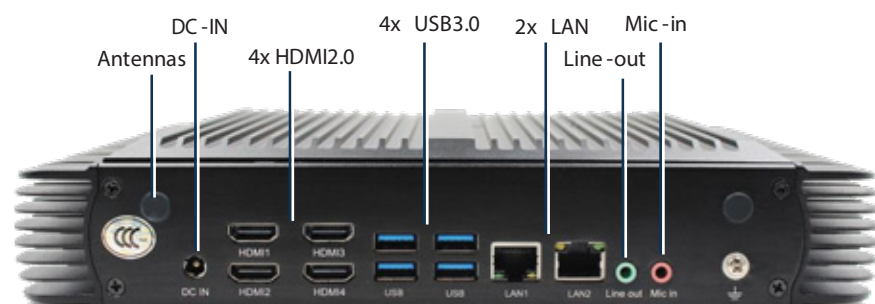
## I/O Interfaces



H/W Monitor



Watchdog



**Processor**

|                            |              |
|----------------------------|--------------|
| CPU                        | i3-1215U     |
| Total Cores/Threads        | 6C/8T        |
| P-core Max Turbo Frequency | 4.40 GHz     |
| E-core Max Turbo Frequency | 3.30 GHz     |
| Cache                      | 10 MB        |
| BIOS                       | AMI SPI BIOS |

**Memory**

|              |                           |
|--------------|---------------------------|
| Type         | Dual Channel SO-DIMM DDR4 |
| Max Capacity | 8 GB                      |

**Display**

|             |  |
|-------------|--|
| GPU         | Intel® Iris® Xe Graphics eligible/UHD<br>Graphics depends on CPU |
| Display via | 4x HDMI 2.0, 4K Resolution HD Display                            |

**Ethernet**

|             |   |
|-------------|---|
| Controller  | 1x Intel® i225/i226, Data Rate Per Port:2.5GbE<br>1x Intel® i219, Data Rate Per Port:1.0GbE |
| Interface   | 2x RJ45   |
| Wake on LAN | Yes   |

**Audio**

|             |  |
|-------------|--|
| Audio Codec | Realtek HD   |
| Interface   | 1xMic-in, 1xLine-out, Supports audio header and amplifier header |

**Hardware**

CPU System temperature, onboard voltage, watchdog

**Storage**

|         |                          |
|---------|--------------------------|
| M.2     | 1x M.2 for 2280 NVMe SSD |
| SATA3.0 | 1                        |

**Expansion**

|        |   |
|--------|---|
| M.2    | 1x M.2 for WiFi, support Intel® Integrated Connectivity(CNVj) |
| PCIe4X | 1   |

**I/O Interface**

|              |                   |
|--------------|-------------------|
| LAN          | 2                 |
| USB 2.0      | 2                 |
| USB 3.0      | 4                 |
| DC-in        | 1                 |
| Antennas     | 2                 |
| Power Button | 1                 |
| TPM2.0       | Onboard, optional |

**Dimension**

|      |                        |
|------|------------------------|
| Size | 299mm x 200mm x 52.2mm |
| Type | Embedded PC            |

**Power**

|               |            |
|---------------|------------|
| Standard Port | 19 V DC-in |
|---------------|------------|

**Temperature**

|                 |               |
|-----------------|---------------|
| Operating Temp. | -20°C to 60°C |
| Storage Temp.   | -40°C to 80°C |

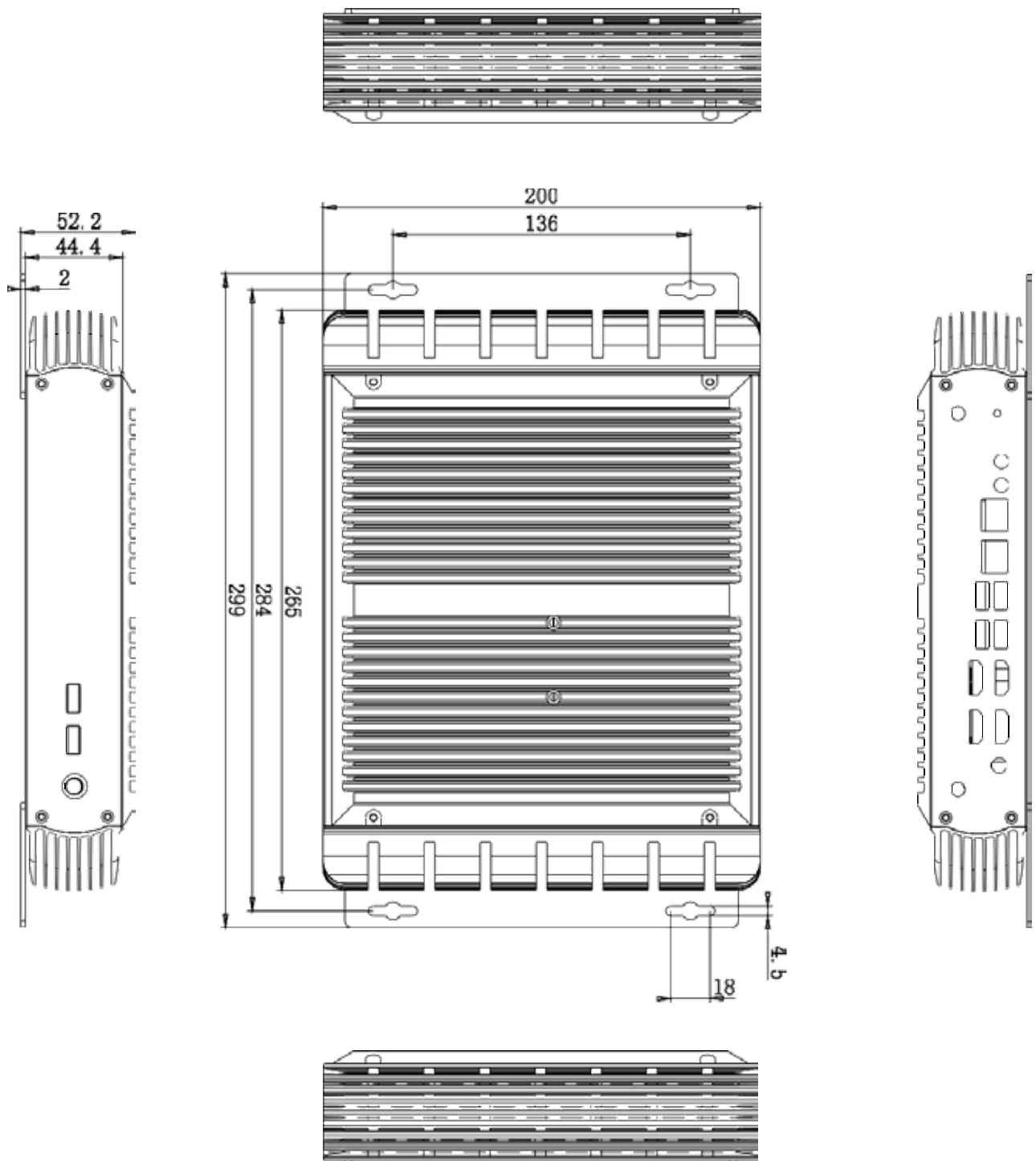
**Cooling Method**

Passive

**Operating System**

Windows 10/11 64 bit, Linux 64 bit

# Dimension(in mm)





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