

# SXC-ALN30

Intel® Alder Lake N Series CPU based Embedded Mini PC supports multiple displays with 3 HDMI 2.0



## Features

- CPU: Intel® Alder Lake N Processor
- Memory: Single Channel SO-DIMM DDR4 up to 32GB
- GPU: Integrated Intel® UHD Graphics, Max three display screens
- Ethernet: 10/100/1000Mbps
- Storage: M.2 Key\_M Slot for SATA/NVMe SSD  
M.2 Key\_B Slot for SATA/NVMe SSD or 4G Module
- I/O Ports: 2xLAN, 2xCOM, 4xUSB3.2, 2xUSB2.0, 3xHDMI
- Expansion: M.2\_E Slot for Wi-Fi(support PCIe&USB), Nano SIM
- Power: 12V/19V DC-IN(9-35V optional)
- Support HDMI Hot-Plug Lock, RTC/W



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PRODUCTIVITY



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## Introduction

The SXC-ALN30 is a high-performance, compact embedded mini PC designed to meet the demanding needs of industrial and commercial applications. Powered by Intel® Alder Lake N processors, it delivers robust processing capabilities, supporting up to 32GB DDR4 memory and integrated Intel® Graphics that drive up to three 4K displays via HDMI 2.0. Its versatile I/O options, including dual LAN, six USB ports, and two COM ports, make it ideal for applications like automation, digital signage, and IoT deployments.

Built for reliability, the SXC-ALN30 features a durable, fanless design that operates in extreme temperatures (-20°C to 60°C) and supports standard 12V/19V DC power inputs. With dual M.2 slots for SATA/NVMe SSDs and optional 4G connectivity, it offers scalable storage and connectivity options to meet diverse operational requirements. Compact yet powerful, the SXC-ALN30 is your go-to solution for modern industrial computing.



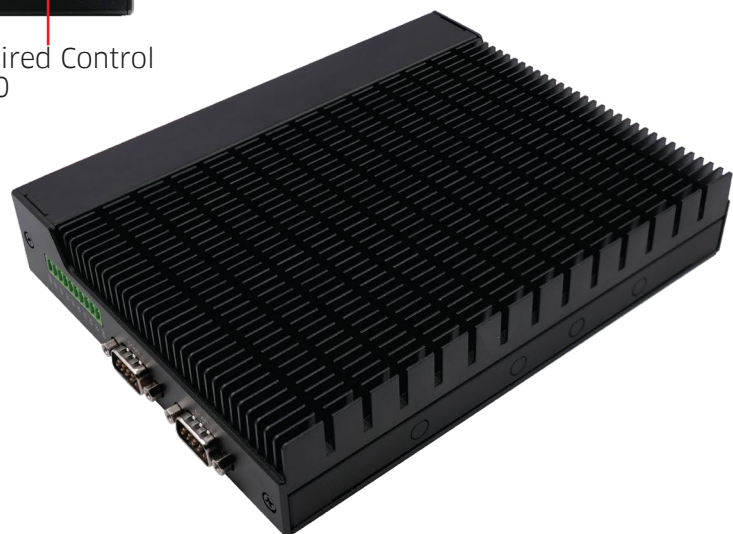
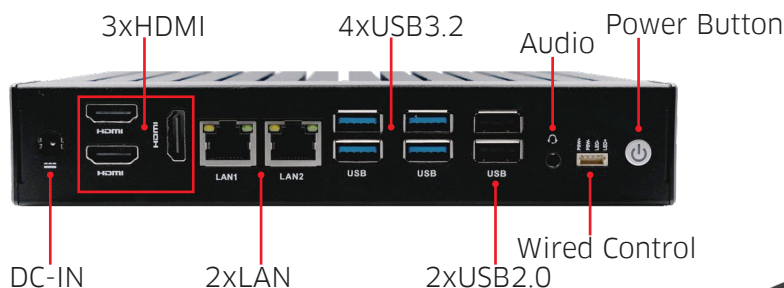
H/W Monitor



Watchdog



## I/O Interfaces

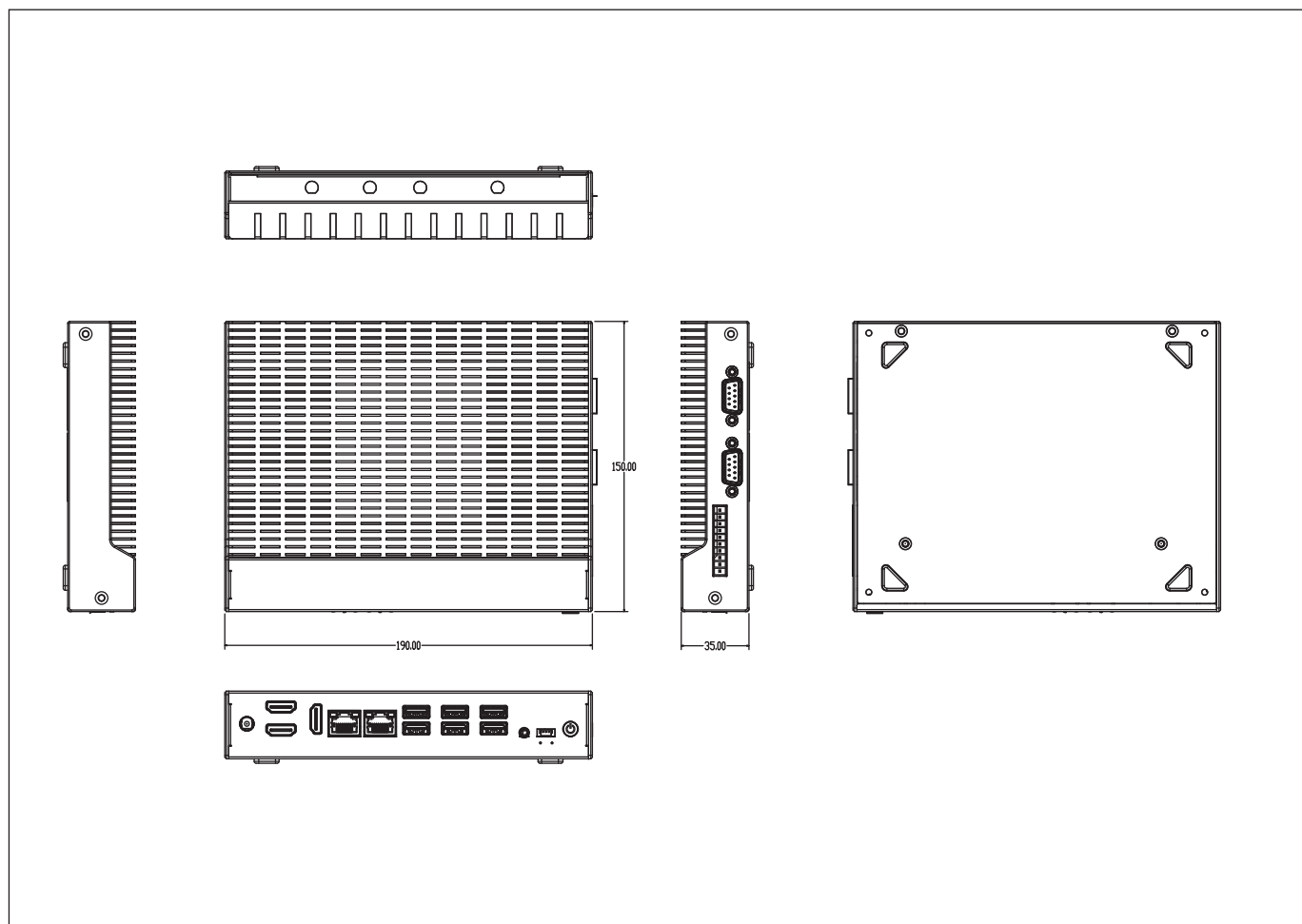


## Technical Specifications

|                  |                      |                                                                    |              |
|------------------|----------------------|--------------------------------------------------------------------|--------------|
| Processor        | Intel® Processor     | N97                                                                | Core i3-N305 |
|                  | Total Cores/Threads  | 4C                                                                 | 8C/8T        |
|                  | Max Turbo Frequency  | 3.60GHz                                                            | 3.80GHz      |
|                  | Intel® Smart Cache   | 6MB                                                                | 6MB          |
|                  | Processor Base Power | 12W                                                                | 15W          |
| Memory           | BIOS                 | AMI UEFI BIOS                                                      |              |
|                  | Type                 | Single Channel SO-DIMM DDR4                                        |              |
|                  | Max. Capacity        | 32GB                                                               |              |
| Display          | Graphics             | Integrated Intel® UHD Graphics depends on the CPU.                 |              |
|                  | Display via          | 3x HDMI2.0                                                         |              |
|                  | Max. Displays        | Three Screens for Mutiple Displays                                 |              |
| Ethernet         |                      | HDMI Hot-Plug Lock                                                 |              |
|                  | Max. Speed           | 10/100/1000                                                        |              |
|                  | Controller           | RTL8111H                                                           |              |
|                  | Interface            | 2x RJ45                                                            |              |
| Audio            | Wake on LAN          | Yes                                                                |              |
|                  | Audio Codec          | High Definition Audio Codec. Realtek ALC897                        |              |
|                  | Interface            | 1x CTIA 2 in 1 Audio Jack                                          |              |
| Storage          | M.2_S                | 1x M.2_2242/2280 Key_M Slot for SATA/NVMe PCIe X1 SSD              |              |
|                  | M.2_SW5G             | 1x M.2_2242/2280 Key_B Slot for SATA/NVMe PCIe X1 SSD or 4G Module |              |
| Expansion        | M.2_E                | 1x M.2_2230 Slot for Wi-Fi, support PCIe and USB.                  |              |
|                  | Nano SIM             | 1x Nano SIM                                                        |              |
| Other I/O        | COM                  | 2x COM(RS232 by default, RS485 optional)                           |              |
|                  | USB2.0               | 2                                                                  |              |
|                  | USB3.2               | 4                                                                  |              |
|                  | GPIO                 | 8-bit                                                              |              |
|                  | Wired Control        | 1                                                                  |              |
| Real Time Clock  | TPM                  | Onboard, optional                                                  |              |
|                  | RTC                  | Support RTC set up, independently for each day of the week.        |              |
| Dimension        | Size                 | 190mm x 150mm x 35mm                                               |              |
| Weight           | N.W.                 | TBD                                                                |              |
| Power            | Standard Port        | 12V/19V DC-IN (9-35V optional).                                    |              |
| Temperature      | Operating Temp.      | - 20°C to 60°C                                                     |              |
|                  | Storage Temp.        | - 40°C to 80°C                                                     |              |
| Cooling Method   |                      | Passive                                                            |              |
| Operating System |                      | Windows 10/11 64bit, Linux 64bit                                   |              |

\* All specifications and photos are subject to change without notice.

## Dimension (in mm)



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