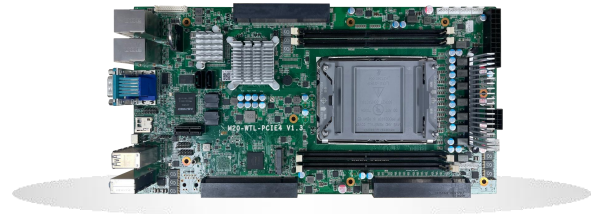


# PCIe4 Specification

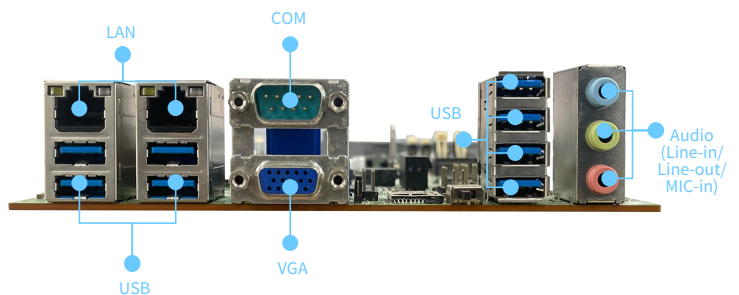
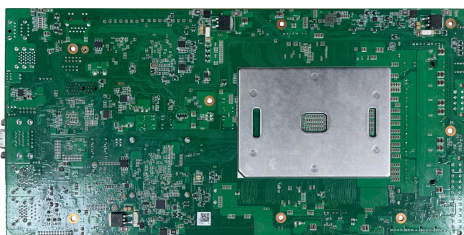
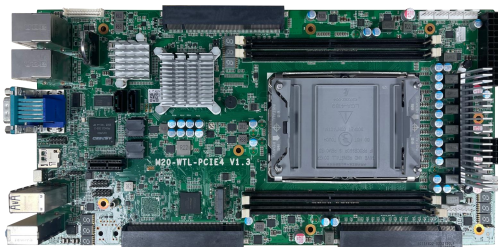


## Overview

Decenta PCIe4 is used to extend the functionality of electronic devices. It provides additional interfaces and pins, allowing users to connect sensors, actuators, or other modules to achieve richer functionalities and projects, such as IoT devices, robots, or automation systems.

- Support Intel® Ice Lake-SP- 3rd Gen Intel® Xeon® Scalable Processor.
- Support 4x DDR4 3200MHz DIMM up to 256GB.
- 2x SATA3.0, 1x M.2 M-key 2280 SSD.
- Excellent expansibility with 3x PCIe16 Slots.
- 2x 10GB LAN, 8x USB ports.

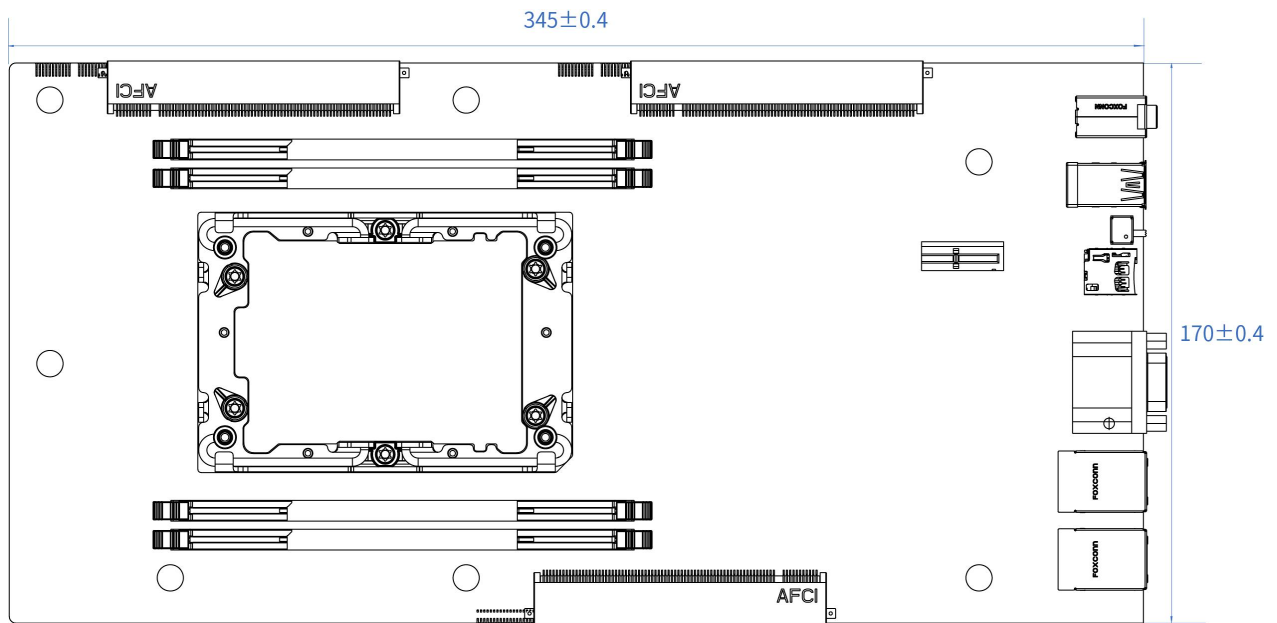
## I/O Overview



# Specifications

| Model      |  | M20-WTL-PCIE4  |  |  |
|------------|--|--|--|--|
| CPU        |  | Intel® IceLake-SP- 3rd Gen Intel® Xeon® Scalable Processor |  |  |
| Chipset    |  | Intel® C621A   |  |  |
| Memory     | Type                                   | 4x DDR4 3200MHz RDIMM slots                                |  |  |
|            | Capacity                               | Max.256GB  |  |  |
| Network    | Ethernet                               | Controller   | Intel® X710-AT2<br>RTL8211F for MGMT           |  |
|            |  | Connector  | 2x 10GB RJ45<br>1x internal BMC RJ45, Reseverd |  |
| Storage    | SATA                                   | 2x SATA3.0   |  |  |
|            | M.2                                    | 1x M.2 M-key 2280 SSD                                      |  |  |
| Audio      | Controller                             | Realtek ALC897   |  |  |
|            | Connector                              | HD Audio: Line-in/Line-out/MIC-in                          |  |  |
| Expansion  | PCIe                                   | 3x PCIe16 Slots  |  |  |
| I/O        | Rear Panel                             | LAN  | 2  |  |
|            |  | USB  | 8x USB Ports( USB 3.0/USB 2.0 mixed)           |  |
|            |  | Audio  | HD Audio: Line-in/Line-out/MIC-in              |  |
|            |  | VGA  | 1  |  |
|            |  | COM  | 1  |  |
|            |  | TF Socket  | 1  |  |
|            | Internal                               | PCIe   | 1x PCIe x1 slot                                |  |
|            |  | Fan Header   | 6  |  |
|            |  | GPIO Header  | 1x 16 channels GPIO Header                     |  |
|            |  | Front Panel Header   | 1  |  |
|            |  | Temp sensors   | 4x Tempsensors                                 |  |
|            |  | ATX power  | 1x 24pin + 1x 8pin ATX power                   |  |
|            |  | PCIE Insertion Counter                                     | 3  |  |
|            |  | OS   | Linux  |  |
| Bios       | Insyde.UEFI 64bit code, 32MB flash ROM |  |  |  |
| Dimensions | 345mm x 170mm                          |  |  |  |
| Power      | 650W ATX                               |  |  |  |

## Dimensions (Unit: mm)



\*Specifications and information contained in this document are furnished for informational use only, and are subject to change at any time without notice, and should not be construed as a commitment by Decenta.