

E225 Series



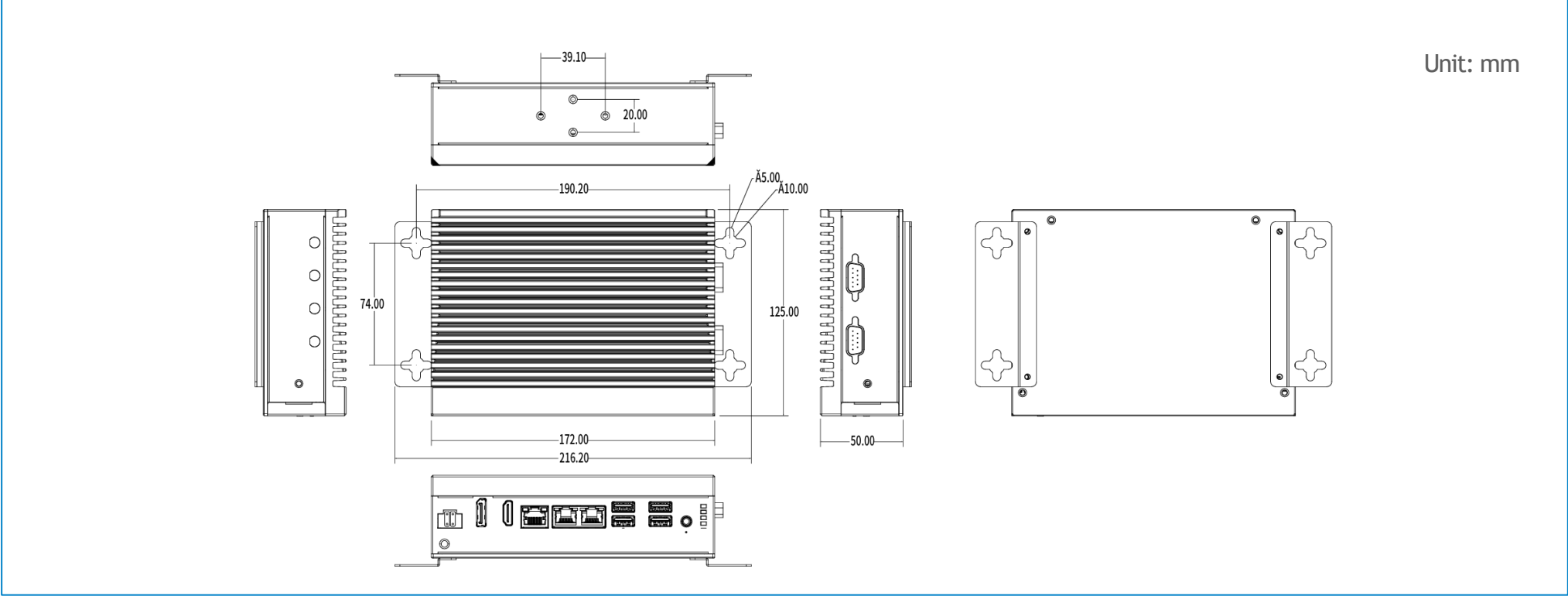
Product Features

- Intel® Alder Lake-N N97
- Single channel DDR4 up to 16GB
- Dual independent display via DP and HDMI
- 3 LAN (2 x Intel i210, 1 x Realtek RTL8111H)
- 3 USB 3.0, 1 USB 2.0
- 1 RS-232/422/485, 1 RS-232 (Optional)
- Support 4G/5G, Wi-Fi module expansion
- DC 9-36V, UPS module is optional
- CE/FCC Class B, ESD 8KV/15KV
- Modular and cable-free design
- 172 x 125 x 50mm (L x W x H), support Wall-mounting/ Din Rail installation
- Windows 10/11, centos 8, ubuntu 20.04/22.04

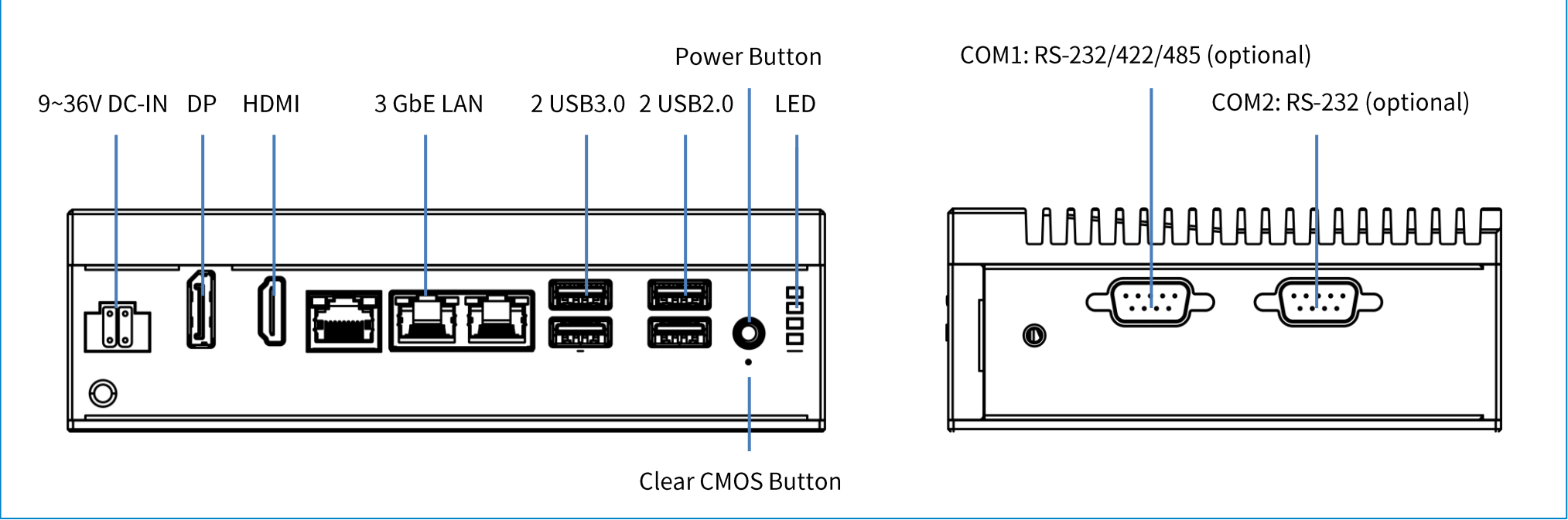
Specification

|                          | Item                   | Description                                             |
|--------------------------|------------------------|---------------------------------------------------------|
| Processor System         | CPU                    | Intel® Alder Lake-N series N97                          |
|                          | TDP                    | 12W MAX                                                 |
|                          | BIOS                   | AMI 128Mbit SPI Flash                                   |
| Memory                   | Technology             | DDR4 SO-DIMM                                            |
|                          | Max Capacity           | 16 GB                                                   |
| Graphics                 | Controller             | Intel Gen12 UHD Graphics Engines (SoC integrated)       |
|                          | Feature                | DX12, Open GL 4.6, Vulkan 1.2                           |
| External I/O             | DP                     | 1 x DP 1.4 resolution up to 4096 x 2304 @ 60Hz          |
|                          | HDMI                   | 1 x HDMI 2.0b resolution up to 4K x 2K @60Hz            |
|                          | Ethernet               | 2 x Intel i210 GbE LAN, 1 x Realtek RTL8111H GbE LAN    |
|                          | USB                    | 3 x USB 3.0, 1 x USB2.0                                 |
|                          | Serial Port (Optional) | COM1: RS-232/422/485, COM2: RS-232                      |
| LED & Switch             | LED Indicator          | Power, SATA, User defined 1, User defined 2             |
|                          | Power Button           | 1 x Power Button                                        |
|                          | Clear CMOS Button      | 1 x Clear CMOS Button                                   |
| Internal Connectors      | M.2 B-Key              | 1 x M.2 B-Key 3042/3052 support 4G/5G                   |
|                          | M.2 E-Key              | 1 x M.2 E-Key 2230 support WIFI (support CNVI)          |
|                          | M.2 B-Key              | 1 x M.2 B-Key 2280 Sata3.0                              |
|                          | USB 2.0                | 1 x internal USB 2.0 (PIN-Out), 1 x internal USB Type-A |
|                          | SIM                    | 1 x Nano SIM                                            |
| Power Supply             | Power Input            | DC 9~36V                                                |
|                          | Power management       | AT/ATX                                                  |
|                          | Max. consumption       | 60W                                                     |
| Others                   | Watchdog               | Interrupt, system reset, programmable1~255 min/sec      |
|                          | TPM                    | TPM 2.0 (Optional)                                      |
| Physical Characteristics | Dimension              | 172 x 125 x 50mm (L x W x H)                            |
|                          | Weight                 | 1.0 kg                                                  |
|                          | Installation           | Wall-mounting/ Back-mounting/ Din Rail                  |
| Environment              | Operating Temperature  | 0 ~ 60 °C (32~140°F)                                    |
|                          | Storage Temperature    | -40° C ~ 85° C (-40~185°F)                              |
|                          | Operating Humidity     | 95% @ 40 °C (Non-condensing)                            |
|                          | Storage Humidity       | 95% @ 60 °C (Non-condensing)                            |
| Certification            | EMC                    | CE, FCC                                                 |
| Operation System         | OS                     | Windows 10/11, centos 8, ubuntu 20.04/22.04             |

Dimension



Interface



Ordering Information

| Model   | CPU | Turbo Frequency | TDP | Core/Thread | LAN | COM          | USB3.0 | USB2.0 | DP | HDMI | Power Input |
|---------|-----|-----------------|-----|-------------|-----|--------------|--------|--------|----|------|-------------|
| E225-01 | N97 | 3.60 GHz        | 12W | 4C          | 3   | 2 (Optional) | 3      | 1      | 1  | 1    | 9~36V DC    |

Optional Accessories

| Part Number       | Description                                                 |
|-------------------|-------------------------------------------------------------|
| MF0A000000000057  | WIFI+BT module, M.2 2230 CNVi WiFi5 2.4G/5G 2x2 9560        |
| MF0A000000000078  | WIFI+BT module, M.2 2230 CNVi WiFi6 2.4G/5G 2x2             |
| MF0A000000000016  | 5G module, M.2 RM500Q-GL Sub-6 GHz Worldwide (Excluding US) |
| MF0A000000000042  | 5G LTE module, M.2 RM520NGLAA-M20-SGASA, Worldwide          |
| MF0A000000000036  | 4G LTE module, M.2 EM05CEFC-128-SGAS, China                 |
| MF0A000000000066  | 5G LTE module, M.2 RM500UCNVAA-D10-SNADA EMEA, Asia-Pacific |
| 82UPS000000000002 | Internal UPS module                                         |
| -                 | Din Rail Clip                                               |

OS Support

| Part Number       | Description                                        |
|-------------------|----------------------------------------------------|
| AA0A0000000000002 | Win10 IoT Ent 2019 LTSC Entry OEM                  |
| AA0A0000000000003 | Win10 IoT Ent 2019 LTSC MultiLang ESD OEI High End |
| AA0A0000000000004 | Win10 IoT Ent 2019 LTSC MultiLang ESD OEI Value    |
| AA0A0000000000005 | Win10 IoT Ent 2021 LTSC Multilang ESD OEI Entry    |
| A087              | Win 11                                             |
| A088              | centos 8                                           |
| A049              | ubuntu 20.04 (E225)                                |
| A053              | ubuntu 22.04 (E225)                                |

Packing List

| Part Number       | Description                                | Quantity |
|-------------------|--------------------------------------------|----------|
| -                 | E225 Series Industrial PC                  | 1        |
| KE0A0000000000004 | Round head screws                          | 6        |
| ZM0A0000000000020 | Three-plug power cord                      | 1        |
| ZM0A0000000000058 | 24V 2.5A power adapter with 4 PIN terminal | 1        |
| MC0A0000000000019 | Wall-mounting kits (100*37*1mm)            | 1        |

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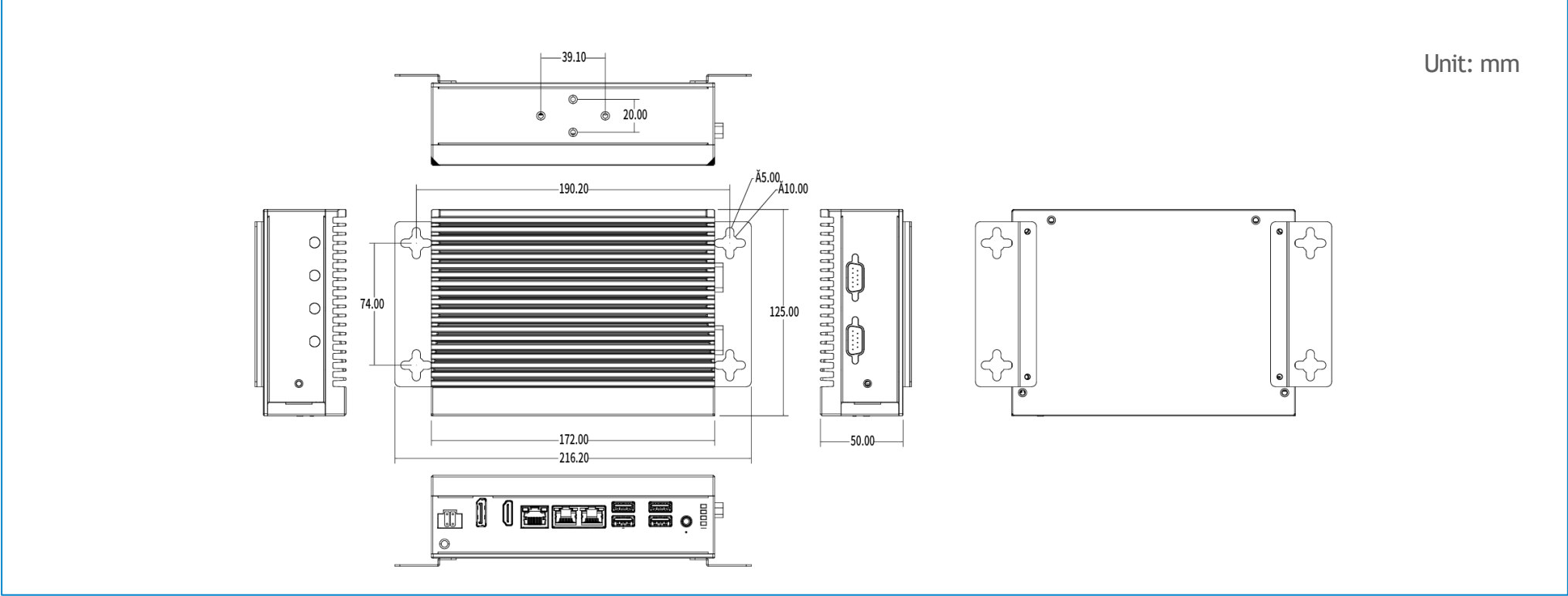
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- Single channel DDR5 up to 16GB
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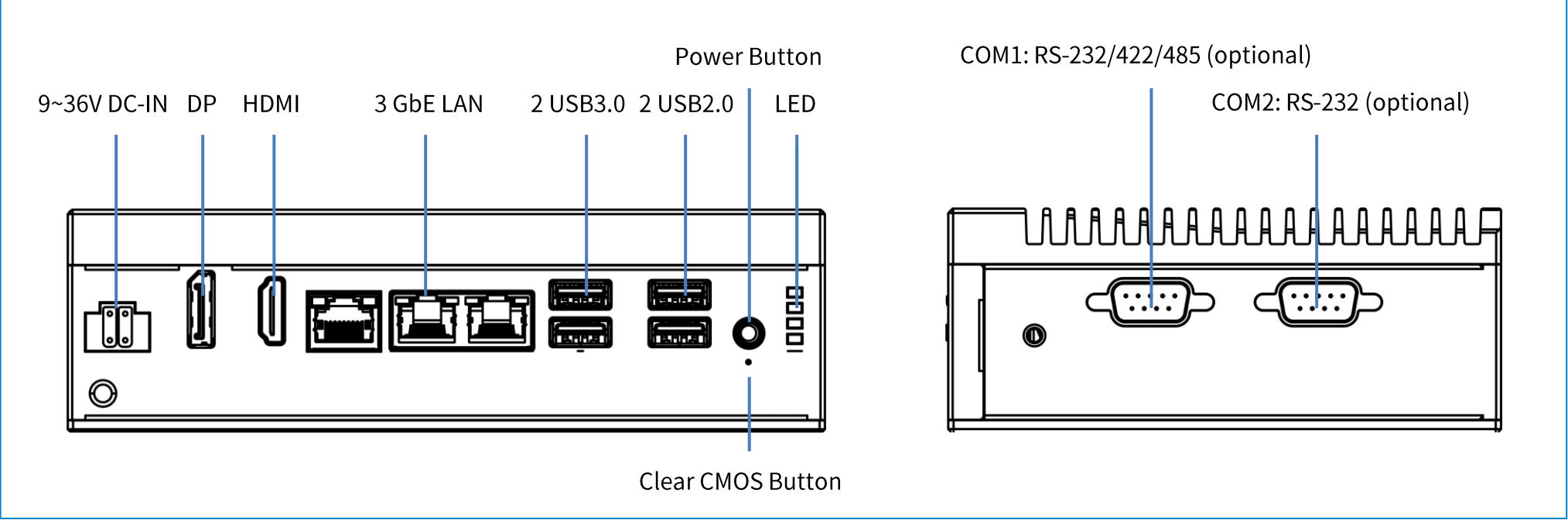
## Specification

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|                          | BIOS                   | AMI 128Mbit SPI Flash                                   |
| Memory                   | Technology             | DDR5 SO-DIMM                                            |
|                          | Max Capacity           | 16 GB                                                   |
| Graphics                 | Controller             | Intel Gen12 UHD Graphics Engines (SoC integrated)       |
|                          | Feature                | DX12, Open GL 4.6, Vulkan 1.2                           |
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|                          | Ethernet               | 2 x Intel i210 GbE LAN, 1 x Realtek RTL8111H GbE LAN    |
|                          | USB                    | 3 x USB 3.0, 1 x USB2.0                                 |
|                          | Serial Port (Optional) | COM1: RS-232/422/485, COM2: RS-232                      |
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