



Features

- Full-Powered 14<sup>th</sup> Gen Intel® Desktop CPU
- Supports Graphics Cards up to Nvidia RTX A2000/RTX 4060
- Dual Channel DDR5 Memory (Up to 96GB)
- 9-48V Wide Voltage Power Input
- 2x Expansion Bays and 1x PoE Expansion
- Custom I/O Flexibility

Technical Specifications

Primary Components

|                  |                                                                                                                                                |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Processor Family | Intel Core I series 14th Generation Raptor Lake                                                                                                |
| Processor Model  | Core i5-14400, Core i3-14100, Core i7-14700, Core i9-14900                                                                                     |
| Memory Type      | 2x DDR5 SO-DIMM                                                                                                                                |
| Memory Support   | Up to 96GB                                                                                                                                     |
| Storage Type     | 1x M.2 SSD Slot (2260/2242) for SATA, 1x M.2 SSD Slot (2280/2260/2242) for NVMe or SATA, 1x mSATA SSD Slot, 2x 2.5" SATA Drive Bay for SSD/HDD |

External I/O Ports

|                        |                                                                                                      |
|------------------------|------------------------------------------------------------------------------------------------------|
| USB                    | 8x USB 3.2 Gen 2                                                                                     |
| Serial / Com           | 3x COM                                                                                               |
| Serial Protocol Detail | 3x RS232/RS422/RS485                                                                                 |
| Ethernet / LAN         | 4x RJ45 2.5Gbe LAN (Optional PoE Module Available)                                                   |
| Other Ports            | 1x 2-Pin DC Power Switch Connector, 1x 2-PIN Power Reset Connector, 1x 8-bit GPIO (in DB9 Connector) |
| Audio Ports            | 1x Audio Line-Out, 1x Mic-In                                                                         |
| Power Input Port       | 3-Pin DC-In (Phoenix Type)                                                                           |

Power

|                        |                                                                                                                                  |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Input Voltage Range    | 9-48V DC                                                                                                                         |
| Standard Power Adapter | 180W (12V/15A) GPU Power Supply (Only Required for GPUs needing more than 75W of Power), 300W (24V/12..5A) External Power Supply |

Operating Systems

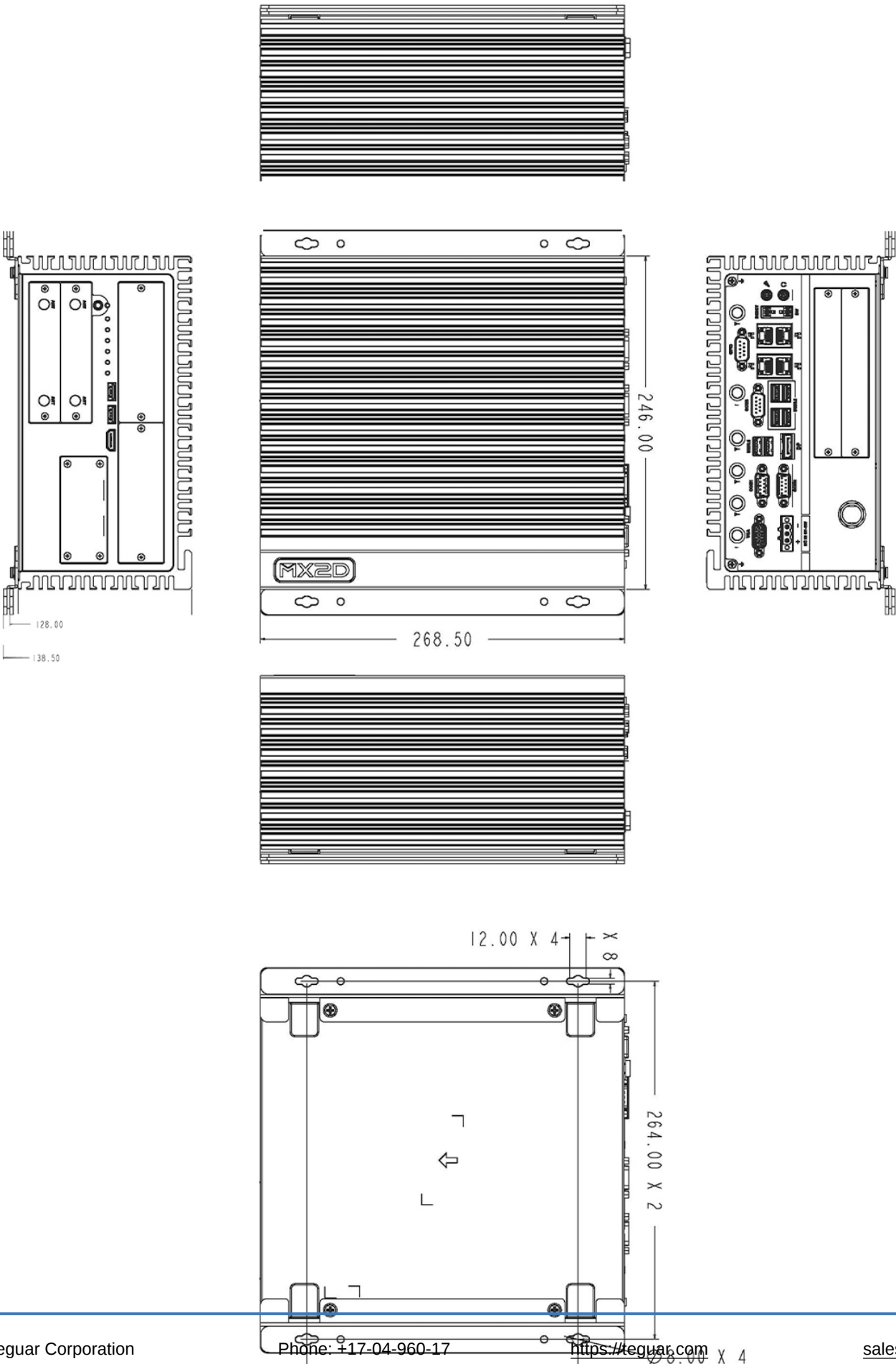
|         |                                                                           |
|---------|---------------------------------------------------------------------------|
| Windows | Windows 10 IoT, Windows 11 IoT, Windows 11 Pro                            |
| Linux   | Linux Ubuntu 22.04 or above (Contact your sales rep for more information) |



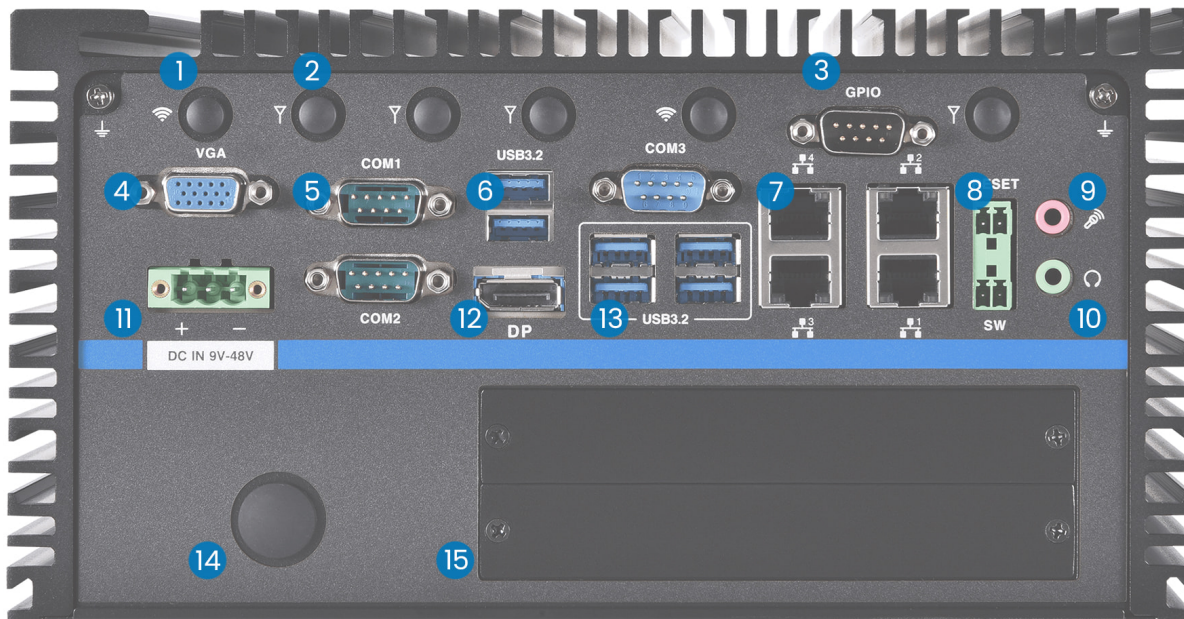
Certification

CertificationsCE, FCC

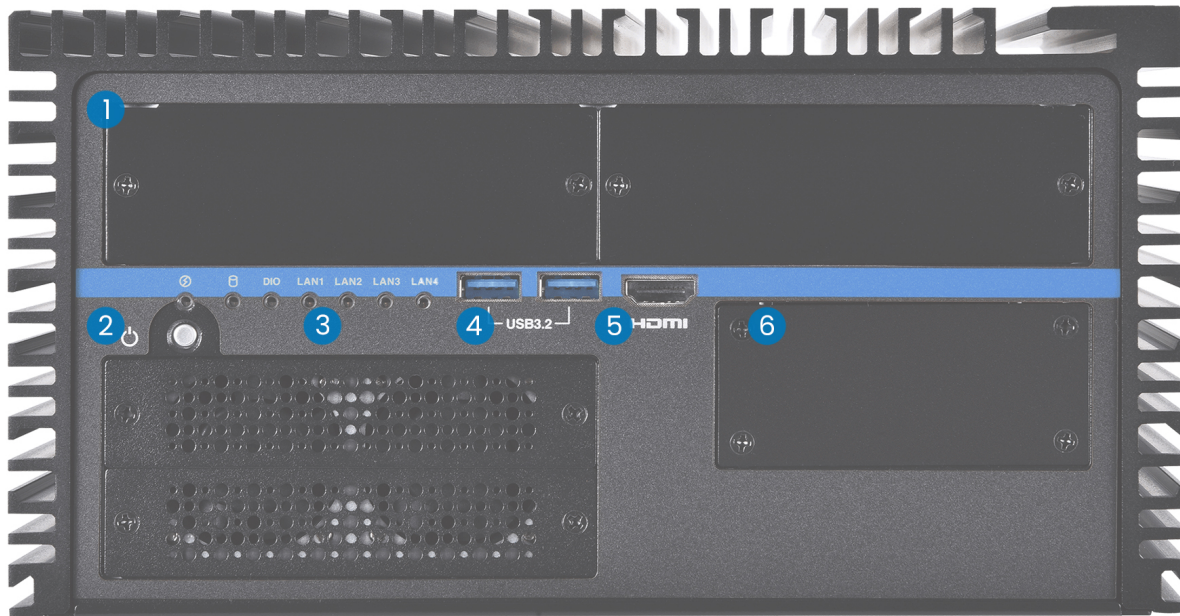
2D Drawing



## I/O



- |                                     |                          |
|-------------------------------------|--------------------------|
| 1. 2x Wi-Fi Antenna Holes           | 9. Mic In                |
| 2. 4x Cellular Antenna Holes        | 10. Line Out             |
| 3. GPIO                             | 11. 3 Pin Terminal Block |
| 4. VGA                              | 12. DisplayPort          |
| 5. 3x COM                           | 13. 4x USB 3.2           |
| 6. 2x USB 3.2                       | 14. GPU Power Supply     |
| 7. 4x LAN                           | 15. PCIe Slot            |
| 8. Power Switch and Reset Connector |                          |



1. 2x I/O Expansion Bays
2. Power Button
3. Indicator Lights
4. 2x USB 3.2
5. HDMI
6. 2.5" Bay

*All specifications are subject to change without notice.*