



### Features

- iSMART intelligent energy-saving & Observer remote monitoring technologies
- 13th/12th Gen Intel® Core™ i7/i5/i3 / Pentium® / Celeron® QC/DC processors
- 2x DDR4-3200 U-DIMM, Max. 64GB, ECC compatible
- NVIDIA Ampere Architecture MXM GPU cards (Type A/B, up to 115W)
- 4x DP++ output
- 1x M.2 B-Key (3052) for 5G or LTE options
- 1x M.2 E-Key (2230) & 2x M.2 M-Key (2280) for Wi-Fi, Bluetooth, capture or storage options
- Supports OOB function via I210 LAN port (optional)
- Supports TPM 2.0

### Specifications

|                             |                                                                                                                                                                                                                        |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| System Mainboard            | MBD624                                                                                                                                                                                                                 |
| CPU Type                    | 13th/12th Gen Intel® Core™ processors                                                                                                                                                                                  |
| System Speed                | Up to Max. 5.0/3.8 Ghz                                                                                                                                                                                                 |
| Memory                      | 4x DDR4-3200 U-DIMM, Max. 128GB                                                                                                                                                                                        |
| Accelerator Card            | NVIDIA Ampere Architecture MXM GPU card/ up to 5888 CUDA cores / 17.66 TFLOPS peak FP32 performance / 184 Tensor Cores                                                                                                 |
| LAN                         | 2x Gigabit LAN                                                                                                                                                                                                         |
| Front Panel External I/O    | 1x HDMI 1.4 for console<br>1x HDMI-in for capture card (optional)<br>2x USB 3.2<br>1x Power / HDD LED<br>1x Power button                                                                                               |
| Rear Panel External I/O     | 4x DisplayPort<br>2x USB 3.2<br>2x RJ45 for Gigabit LAN<br>2x RS-232 serial port<br>1x Audio connector for Line-in/out/MIC<br>1x Power jack connector                                                                  |
| Expansion Slot              | 1x M.2 (M-Key, type:2280, supports NVMe with PCI-E(x4) Gen.4 signal only)<br>1x M.2 (E-Key, type: 2230, 2x PCI-E(x1), USB 2.0; supports CNVi)<br>1x M.2 (B-Key, type:3052, supports 5G/4G/LTE)<br>1x UIM/SIM card slot |
| Storage                     | 1x M.2 M-Key (2280)                                                                                                                                                                                                    |
| Auto Control and Monitoring | Watchdog Timer: 256 segments, 0, 1, 2...255 (sec/min)                                                                                                                                                                  |
| Power Requirement           | +19V DC                                                                                                                                                                                                                |
| Power Supply                | 270W power adaptor                                                                                                                                                                                                     |
| Construction                | SGCC                                                                                                                                                                                                                   |
| Chassis Color               | Black and white                                                                                                                                                                                                        |
| Mounting                    | Standard system bracket                                                                                                                                                                                                |
| Weight                      | 3kg (6.6lbs)                                                                                                                                                                                                           |
| Dimensions                  | 329mm(W) x 25.3mm(D) x 73mm(H)<br>12.9"(W) x 0.99"(D) x 2.87"(H)                                                                                                                                                       |
| Others                      | NA                                                                                                                                                                                                                     |
| Operating Temperature       | 0°C ~ 45°C (32°F ~ 113°F)                                                                                                                                                                                              |

|                     |                                                      |
|---------------------|------------------------------------------------------|
| Storage Temperature | -20°C ~ 80°C (-4°F ~ 176°F)                          |
| Relative Humidity   | 5%~90% @45°C (non-condensing)                        |
| Vibration           | SSD: 5 grms / 5~500Hz / random operation             |
| Shock               | Operating : 20G / 11ms<br>Non-operating : 40G / 11ms |
| Certification       | CE, FCC class-B, UL & CCC                            |
| Operating System    | Windows10 / Linux                                    |

### Ordering Information

|           |                                                                                                                                                            |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SI-624-AI | Edge AI Computer with MBD624 with 13th/12th Gen Intel® Core™ processors, 1x Nvidia MXM GPU card, M.2 128GB, 2x 8GB DDR4-3200 U-DIMM and 270W power adaptor |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Dimensions and Drawing

