

# MIC-7420

## Compact Fanless System with Intel® 6th Gen Core™ i Processor

**NEW**



### Features

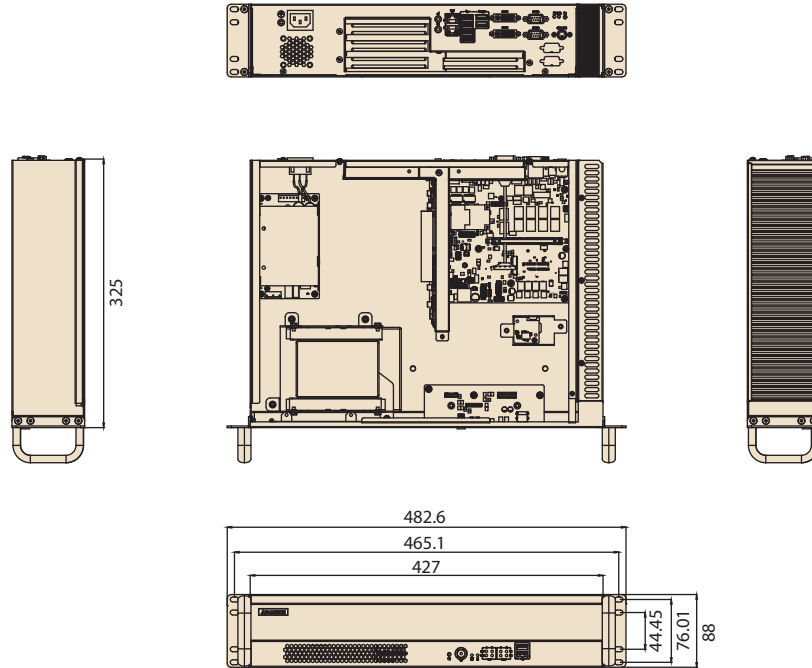
- Intel® 6th Gen Core™ i7/i3 (BGA type) processor with Intel® QM170 chipset
- 8 GB of DDR4 memory, up to 24 GB
- 2 x DVI
- 2 x GbE LAN/8 x USB ports
- 2 x PCIe x4/ 2 x PCI expansion slots
- 2 x 3.5" HDD and 1 x M.2
- Supports RAID 0/1
- Wide operating temperature (-20 ~ 60 °C)
- 100 ~ 240V<sub>AC</sub> input power

### Specifications

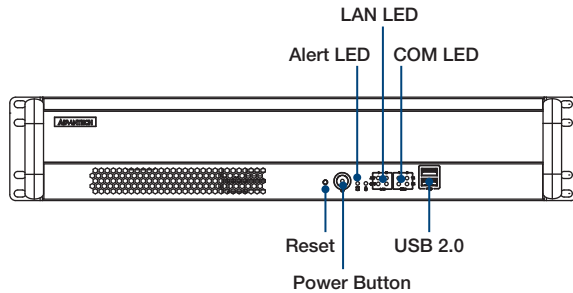
|                          |                        |  |                                  |                                  |                 |
|--------------------------|------------------------|--|----------------------------------|----------------------------------|-----------------|
| Processor                | CPU                    | Intel® Core™ i7-6822EQ                                   | Intel® Core™ i3-6100E            |                                  |                 |
|                          | Max Speed              | 2.0 GHz  | 2.8 GHz                          |                                  |                 |
|                          | L2 Cache               | 8 MB   | 3 MB                             |                                  |                 |
|                          | Chipset                | Intel® QM170   |                                  |                                  |                 |
|                          | BIOS                   | AMI SPI 128Mb  |                                  |                                  |                 |
| Memory                   | Technology             | 8 GB of DDR4, 2133 MHz (without ECC)                     |                                  |                                  |                 |
|                          | Socket                 | 1 x 260-pin DDR4 SODIMM socket, up to 16 GB              |                                  |                                  |                 |
|                          | Maximum Capacity       | 24GB   |                                  |                                  |                 |
| Graphics                 | Chipset                | Intel® HD Graphics 530, supports DirectX 12              |                                  |                                  |                 |
|                          | Dual Display           | 1 x DVI-I, 1 x DVI-D                                     |                                  |                                  |                 |
| Ethernet                 | Interface              | 10/100/1000 Mbps   |                                  |                                  |                 |
|                          | Controller             | LAN 1: Intel® i219-LM; LAN 2: Intel® i210IT              |                                  |                                  |                 |
|                          | Connector              | 2 x RJ45   |                                  |                                  |                 |
| Storage                  | SSD                    | 1 x M.2 (2260 M-Key, with SATA interface)                |                                  |                                  |                 |
|                          | HDD                    | 2 x 3.5" HDD or 2 x 2.5" HDD bay                         |                                  |                                  |                 |
| I/O Interface            | DVI                    | 1 x DVI-I, 1 x DVI-D                                     |                                  |                                  |                 |
|                          | LAN                    | 2  |                                  |                                  |                 |
|                          | USB                    | 8 (2 x USB 3.0, 6 x USB 2.0)                             |                                  |                                  |                 |
|                          | Serial                 | 2 x DB9 (RS-232/422/485) with 2.5KV Isolation protection |                                  |                                  |                 |
|                          | PS/2                   | 1  |                                  |                                  |                 |
|                          | Audio                  | 1 x Speaker-out with 2 x 4W amplifier, 1 x Mic-in        |                                  |                                  |                 |
| Expansion Slots          | PCIe                   | 2 x PCIe x4  |                                  |                                  |                 |
|                          | PCI                    | 2 x PCI  |                                  |                                  |                 |
|                          | Mini PCIe              | 1 (PCIe & USB)   |                                  |                                  |                 |
| Power Module             | Input Range            | 100 ~ 240V <sub>AC</sub> or 110V <sub>DC</sub>           |                                  |                                  |                 |
|                          | Connector              | 1 x 3-pin terminal block (5.08 mm)                       |                                  |                                  |                 |
|                          | Wattage (60 °C)        | 110 W  |                                  |                                  |                 |
| Watchdog Timer           | Output                 | System reset   |                                  |                                  |                 |
|                          | Interval               | Programmable 1~255 sec/min                               |                                  |                                  |                 |
| Environment              | Storage                | Operating (w/o add-on card) SSD                          | Operating (with add-on card) SSD | Operating (with add-on card) HDD | Non-operating - |
|                          | Temperature            | -20 ~ 60 °C  | -20 ~ 40 °C                      | 0 ~ 40 °C                        | -40 ~ 85 °C     |
| Physical Characteristics | Dimensions (W x H x D) | 427 x 88 x 325 mm (16.81" x 3.46" x 12.79")              |                                  |                                  |                 |
| Certification            | EMC                    | CE/FCC Class A, CCC, BSMI                                |                                  |                                  |                 |
|                          | Safety                 | CB/UL, CCC, BSMI   |                                  |                                  |                 |

## Dimensions

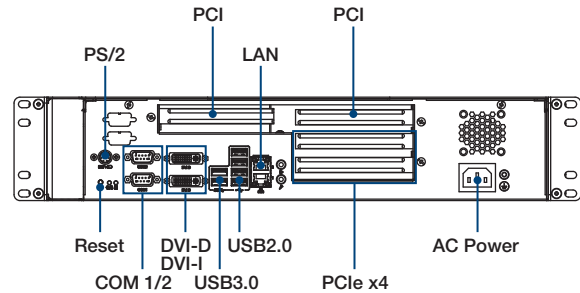
Unit: mm



## Front View



## Rear View



## Packing List

| Part Number    | Description                       | Quantity |
|----------------|-----------------------------------|----------|
| 2001742000     | Startup manual En/CN for MIC-7420 | 1        |
| 206K223100     | Driver CD                         | 1        |
| 1700008941     | SATA cable 7P                     | 2        |
| 1700017929     | SATA power cable 4P               | 1        |
| 1700022322-01  | SATA power cable 5P               | 1        |
| 1990001365     | HDD rubber                        | 4        |
| 1960018229N100 | 2.5" HDD bracket                  | 2        |
| 1656303100     | 3-pin terminal block              | 2        |
| 1960018229N100 | 2U rackmount ear                  | 2        |
| 1960021557S000 | Handle bracket                    | 2        |

## Ordering Information

| Part Number   | Description   |
|---------------|---|
| MIC-7420-U0A1 | Intel® Core™ i7-6822EQ processor with 8 GB onboard memory, 2U |
| MIC-7420-19A1 | Intel® Core™ i3-6100E processor with 8 GB onboard memory, 2U  |

## Optional Accessories

| Part Number   | Description                                 |
|---------------|---|
| 1700023045-01 | Power cable, 3 pin (F), 10 cm, for ITA-2210 |