



## Features

- Onboard 11th Gen Intel® Core™ i7/i5/i3 processor
- 1x DDR4 SO-DIMM, Max.32GB
- Intel® Processor integrated graphics device, supports DisplayPort and 24-bit Dual-channel LVDS
- 2x Intel® 2.5 Gigabit LAN
- 6x USB3.1, 2x USB2.0, 2x SATA III, 2x COM, 2x M.2
- Watchdog timer, Digital I/O, iAMT (15), TPM (2.0)

## Specifications

|                          |  |
|--------------------------|--|
| CPU                      | 11th Gen Intel® Core™ i7/i5/i3 processors  |
| PCH                      | IB956AF series: Intel® QM580E<br>IB956EF series: Intel® HM570E   |
| Memory Types             | 1x DDR4 SO-DIMM, Max.32GB  |
| BIOS                     | AMI  |
| Watchdog Timer           | 256 Levels   |
| H/W Monitor              | Yes  |
| Storage Device Interface | NVMe   |
| Mini Type Slots          | 1x M.2 (M-Key, type:2280)<br>1x M.2 (E-Key, type:2230)   |
| Graphics Controller      | 11th Gen Intel® Core™ H-series processor integrated graphics   |
| Video Output             | Supports DisplayPort (1.4), and 24-bit Dual-channel LVDS   |
| Ethernet                 | 1st LAN:<br>IB956AF series: Intel® I225-LM<br>IB956EF series: Intel® I225-V<br>2nd LAN:<br>Intel® I225-V |
| I/O Chipset              | Fintek F81804U-I   |
| Serial Port              | 1x RS232/422/485, 1x RS232   |
| USB 2.0                  | 2x USB2.0 via pin header   |
| USB 3.0/ 3.1             | QM580E: 6x USB3.1 (GEN2)<br>HM570E: 4x USB3.1 (GEN2), 2x USB3.1(GEN1)                                    |
| Serial ATA               | 2x SATA III  |
| Audio                    | 11th Gen Intel® Core™ H-series processor Built-in HD audio controller+Realtek ALC269Q-V3 w/class-D       |
| TPM                      | TPM (2.0)  |
| Others                   | Digital I/O, +12~ +24V DC-in   |

|                       |                            |
|-----------------------|----------------------------|
| Dimensions (L x W)    | 102mm x 147mm (4" x 5.8")  |
| Power Consumption     | TBD                        |
| Operating Temperature | 0°C~60°C                   |
| Storage Temperature   | -20°C~80°C                 |
| Relative Humidity     | 95% (non-condensing @60°C) |

## Dimensions and Drawing

