

# ATX-05003

Intel® Core™ 6th /7th Generation ATX  
Motherboard



## FEATURES

- Intel® LGA1151 Socket Core i3, i5, i7 Pentium Processor
- 2\* DDR4 2133MHz long-DIMM up to 64 GB
- 1\* Intel® I219LM GbE, 1\* Intel® i211AT GbE
- Support HDMI&VGA
- 2\* External COM, 4\* Internal COM (COM1 support RS232/422/485, COM1/2/3/4 support 5V/12V TTL)
- 4\* USB3.0, 5\* USB2.0 (internal USB2 Support Dongle)
- Support TPM 2.0(Optional)

| ATX-05003         |                                                                                                  |
|-------------------|--------------------------------------------------------------------------------------------------|
| Form Factor       | ATX(305 * 220mm)                                                                                 |
| CPU               | Intel® LGA1151 Socket supports 6 <sup>th</sup> /7 <sup>th</sup> Gen. Core Processor              |
| Chipset           | Intel® H110 Express chipset                                                                      |
| BIOS              | AMI 128Mb Flash ROM BIOS                                                                         |
| RAM               | 2* DDR4 2133MHz Max 64GB                                                                         |
| Display Graphics  | by CPU                                                                                           |
| VGA               | 1 (Max. Resolution: 1920*1080@60Hz)                                                              |
| HDMI              | 1 (Max. Resolution: 4096*2304@60Hz)                                                              |
| Multi Display     | Dual Display                                                                                     |
| Ethernet          | 2* RJ45 (1* Intel® i219-LM GbE & 1* Intel® i221AT)                                               |
| Audio             | Realtek ALC888S(optional)                                                                        |
| PCIe              | 1* PCIe x4, 1* PCIe x16, 1* PCIe x1                                                              |
| PCI               | 4* PCI                                                                                           |
| M.2               | 1* M.2 (M key, 2242/2280)                                                                        |
| Storage           | 4 * SATA                                                                                         |
| USB               | 4* USB 3.0 ,2 * USB 2.0, 3* USB 2.0(via header)                                                  |
| Serial            | 2* RS232 (COM 1 support RS232/422/485, 5/12V TTL), 5* COM (COM3/4 Support 5/12V TTL)(via header) |
| Parallel          | 1                                                                                                |
| TPM               | TPM2.0 (Optional)                                                                                |
| Chassis intrusion | 1                                                                                                |
| GPIO              | 1                                                                                                |
| SMBUS/ I2C        | 1                                                                                                |
| Audio Header      | 1                                                                                                |
| AT mode           | 1                                                                                                |
| Input PWR         | 24 pin/8 pin ATX PWR Connector                                                                   |
| Operating Temp    | 0°C – 60°C                                                                                       |
| Storage Temp      | -20°C – 85°C                                                                                     |
| Certifications    | CE, FCC, RoHS, REACH                                                                             |
| Warranty          | 2 Years                                                                                          |