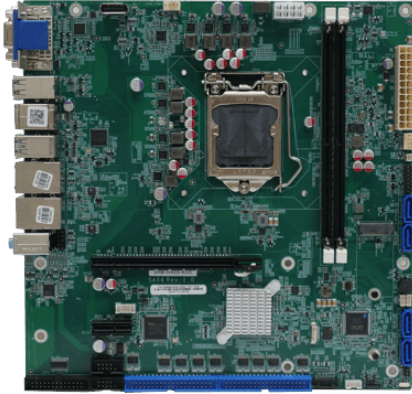


IMB-H420

Micro-ATX motherboard supports LGA1200 Intel® 10th/11th Gen. Core™ i9/i7/i5/i3, Pentium® and Celeron® processor, DDR4, triple displays, dual 2.5GbE LAN, M.2, 6 USB 3.2, 8 USB 2.0, 10 COM, SATA 6Gb/s, HD Audio and RoHS



Features

- » LGA1200 Intel® 10th/11th Generation Core i9/i7/i5/i3, Pentium and Celeron processor (up to 65W)
- » Two 288-pin 2933 MHz unbuffered DDR4 SDRAM DIMM slots (system max. 64GB)
- » Support triple independent display via DVI,VGA and internal DP++
- » Support one PCIe x16 and one PCIe x1 expansions
- » Support one M.2 M key and four SATA for storage

Specifications

| | |
|-----------------------------|---|
| Form Factor | |
| Form Factor | ATX Motherboard |
| System | |
| CPU | LGA1200 socket supports 10th/11th generation Intel® Core™ i9/i7/i5/i3, Pentium® and Celeron® processor. up to 65W TDP |
| Chipset | Intel® H420/H420E |
| Memory | Two 288-pin 2933 MHz unbuffered DDR4 SDRAM DIMM slots (supporting up to 64 GB memory) |
| Memory Max. | 64GB |
| Cooling method / System Fan | 1 x CPU fan connector (1x4 pin) 1 x System fan connector (1x4 pin) |
| Physical Characteristics | |
| Dimensions (LxWxH) (mm) | 244mm x 244mm |
| Net Weight | 700g |
| Storage | |
| Storage | 1 x M.2(NGFF) : 1 x M.2 M key 2242/2280 (PCIe Gen3 x2) 4 x SATA |
| I/O Interface | |
| Display Output | 1 x DVI-D : up to 2560 x 1600@60Hz 1 x iDP : up to 3840 x 2160@60Hz 1 x VGA : up to 1920 x 1080@60Hz |
| Ethernet | 2 x LAN - LAN1: Intel® I225-V GbE controller LAN2: Intel® I225-V GbE controller |
| Audio | 1 x HD Audio : Realtek ALC888S HD Audio codec 3 x Audio jack (Line-in, Line-out, Mic-in) 1 x Analog audio (2x5 pin) |
| I/O Interface | 6 x External USB 2.0 : Type A 8 x External USB 3.2 Gen1x1 : 5 Gb/s (Type A) 10 x Internal RS-232 - 2 x 2*20 pin, P=2.54 2 x 2*5 pin, P=2.54 1 x LPT : 2*13 pin |

| | |
|-----------------------|--|
| | 1 x PS/2 : for KB/MS |
| Expansion | 1 x M.2(NGFF) : M key 2242/2280 (PCIe Gen3 x2) |
| | 1 x PCIe x1 : Gen3 x1 slot |
| | 1 x PCIe x16 : Gen3 x16 slot |
| Power | |
| Power Consumption | 3.3V@1.59A, 5V@10.18A, 12V@6.84A, 5VSB@0.23A |
| | (10th Gen. Intel® Core® i9-10900E 2.80 GHz 65W CPU with 32GB 2933MHz DDR4 memory, EUP enabled) |
| Power Supply | ATX/AT power supply |
| | Support AT/ATX mode |
| | ErP/EuP Compliant |
| Environment | |
| Operating Temperature | 0°C ~ 60°C |
| Storage Temperature | -30°C~70°C |
| Humidity | 5% ~95%, non-condensing |

Ordering Information

| | |
|--------------|---|
| IMB-H420-R10 | Micro-ATX motherboard supports LGA1200 Intel® 10th/11th Gen. Core™ i9/i7/i5/i3, Pentium® and Celeron® processor, DDR4, triple displays, dual 2.5GbE LAN, M.2, 6 USB 3.2, 8 USB 2.0, 10 COM, SATA 6Gb/s, HD Audio and RoHS |
|--------------|---|

Packing List

| | |
|------------------------------------|----------------|
| 1 x IMB-H420 single board computer | 2 x SATA cable |
| 1 x I/O shielding | 1 x QIG |