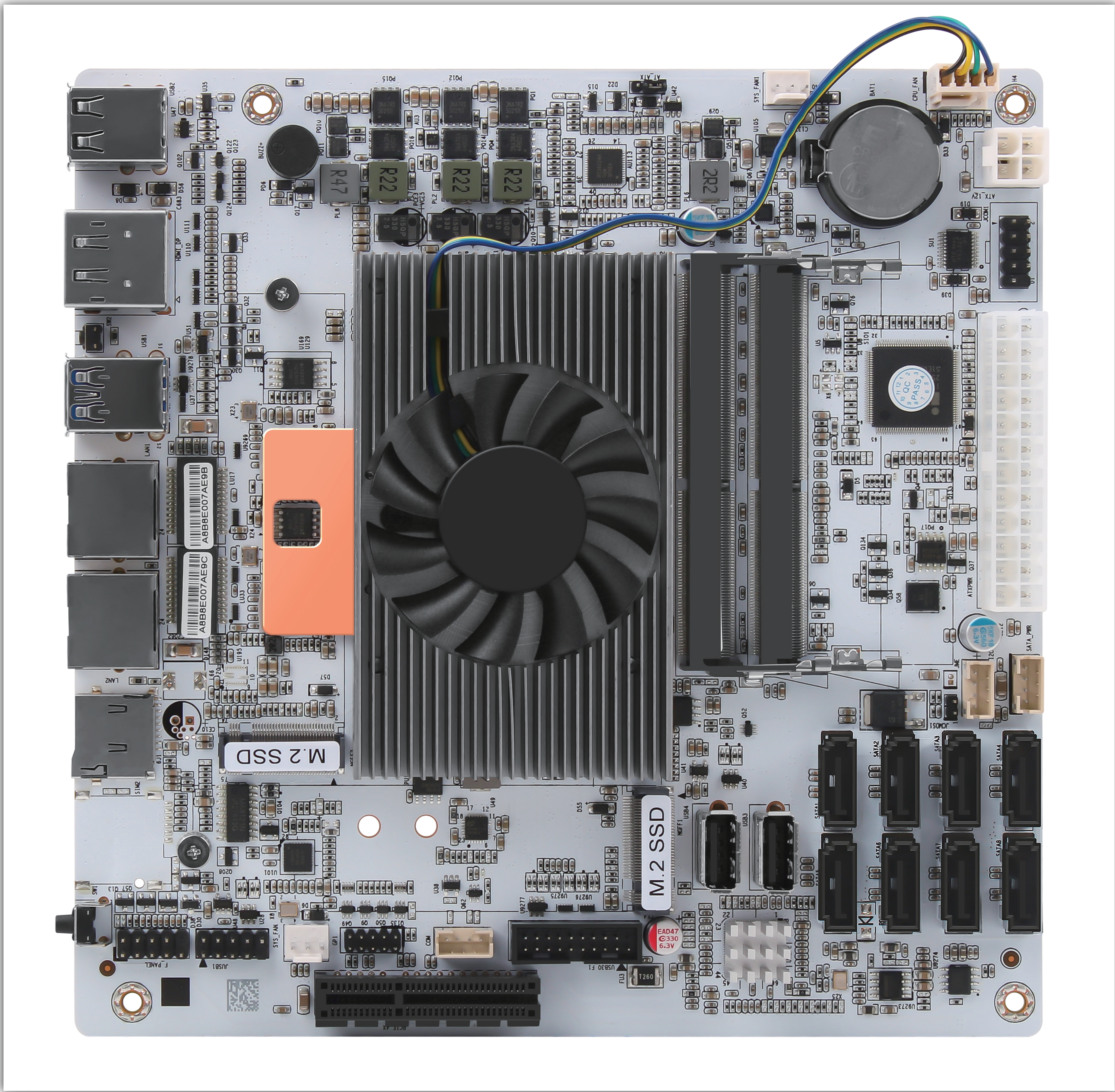


Key Features of the Motherboard:

- 8th Gen Intel® Core i5 ES Processor
 - 4 cores / 8 threads, outperforms mainstream N100/N150
- Virtualization Support: VT-x, VT-dNetwork cards and storage devices support passthrough
- Comes with Dual Ball-Bearing Fans by Default features a dual heat-pipe design
- 170mm x 170mm Standard ITX Form Factor ATX-24PIN+ATX-4PIN power supply
- 8x SATA 3.0 Ports 2 x native SATA 6 x expanded via ASM1166 (x2 PCIe signal)
- 2× Intel i226-V 2.5G RJ45 Port
 - Intel NICs ensure more stable performance and compatibility
- 2 x M.2 NVMe PCIe3.0 x2 Signal 2280
- 2*SO-DIMM DDR4 memory slots compatible with 2133/2400/2666/3200MHz up to 32GB per module
- 1x PCI-E x4 slot Gen3 x2signal Supports Network Cards / PCI-E Expansion Cards
- 1↑HDMI+DP both support 4K synchronous/asynchronous display



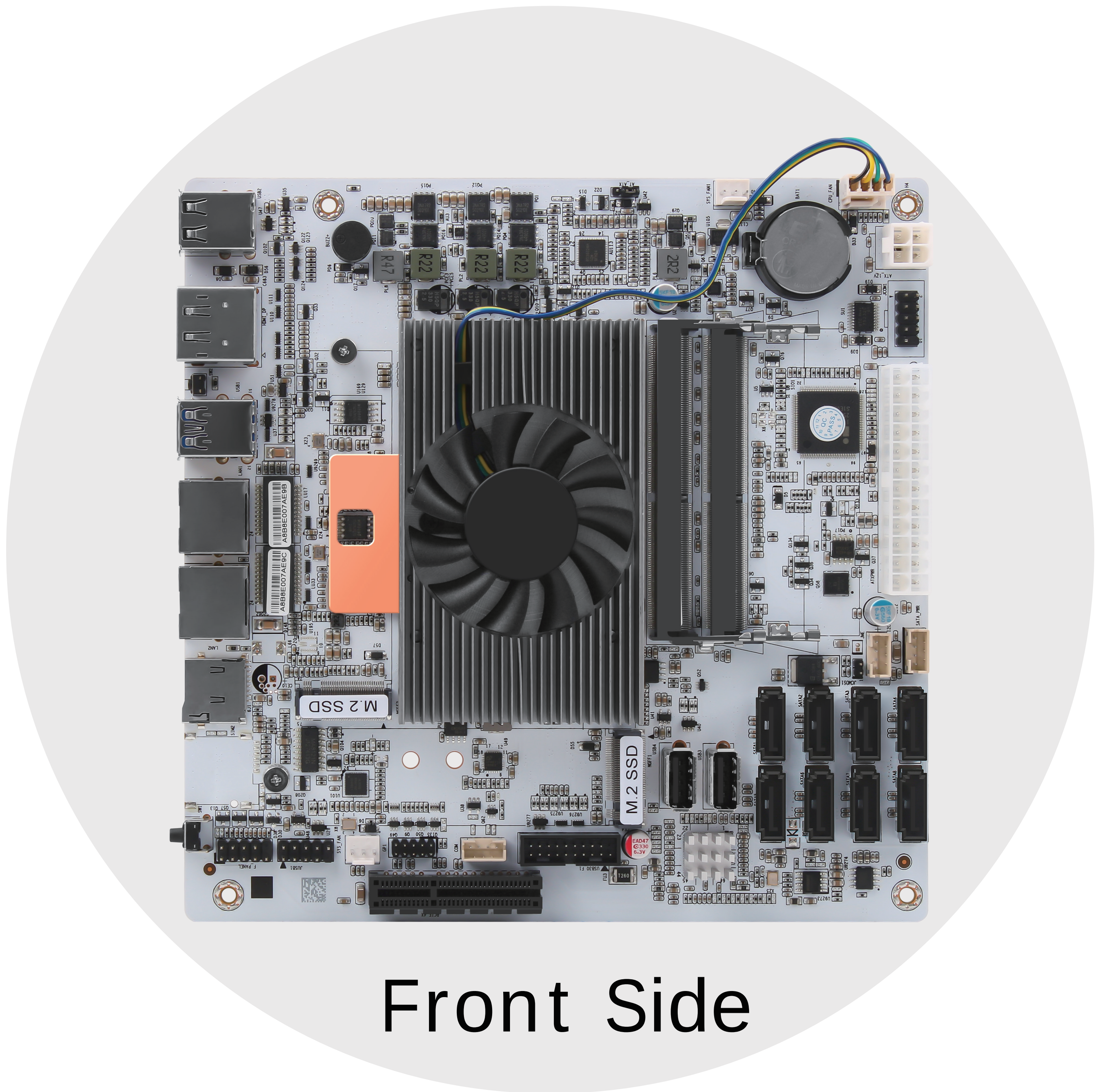
Product Model: CW-NAS-WL



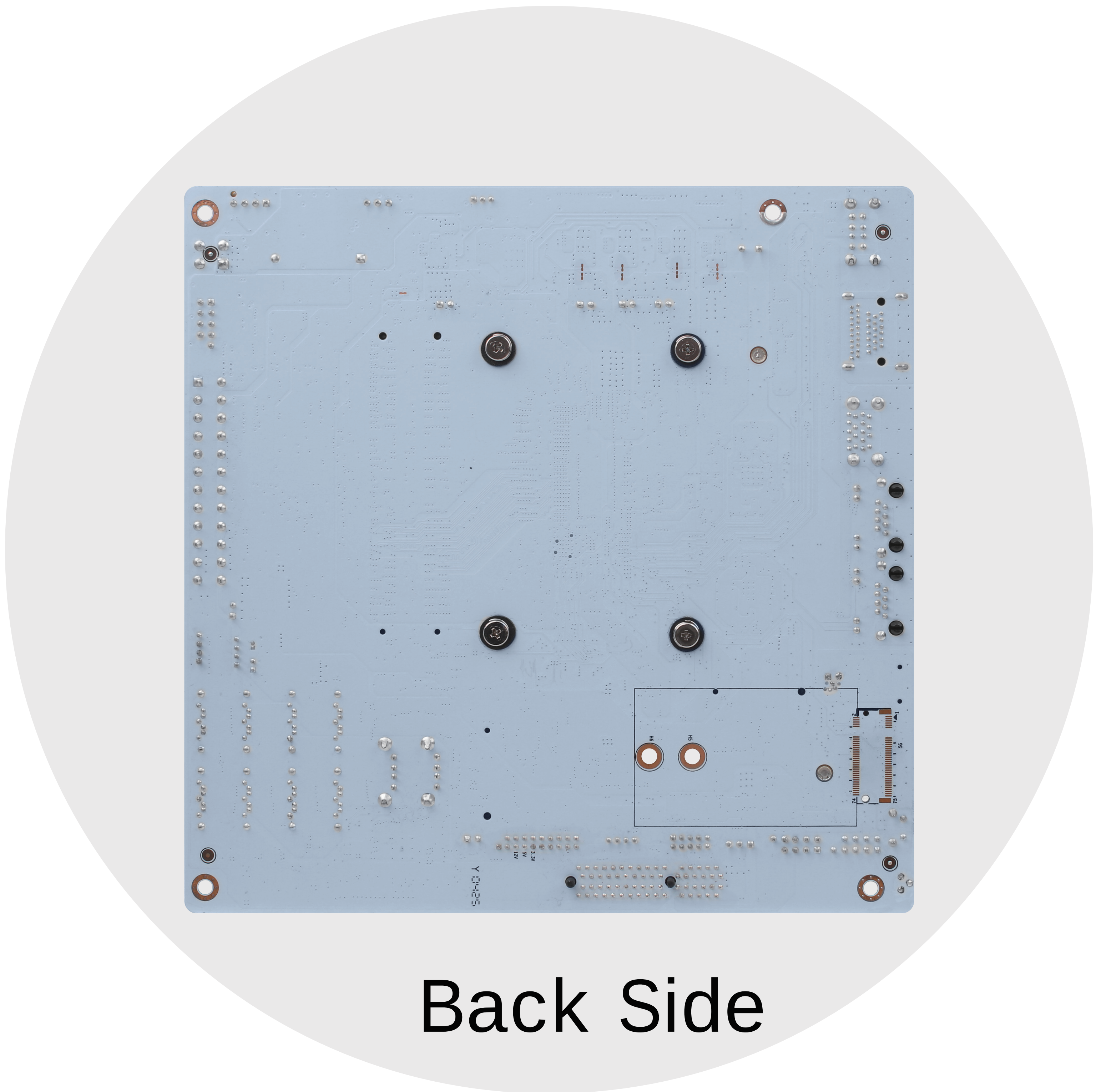
Specifications	
Motherboard Features	-White PCB - 6-layer high-density FR-4 PC - Full protection (supports all RJ45 ports, USB, HDMI + DP, TF card slot)
Processor	- Intel® Whiskey Lake Core i5 ES Processor - 4 cores / 8 threads, outperforms mainstream N100/N150 - Known ES version bug: sleep mode not supported
Memory	- 2× SO-DIMM DDR4 Memory Slots - Compatible with 2133/2400/2666/3200 MHz - Dual-channel, up to 64GB
TDP	- Base Power 15 W
Storage	- 8 * SATA3.0 6Gbps 1-2SATA native 3-8SATA expanded via ASM1166 chip - 2 * M.2 NVMe PCIe3.0 x2 signal
Ethernet	- 2× Intel i226-V 2.5G Ethernet Chips
Display	- 1 * HDMI supports 4K@24Hz - 1 * DP supports 4K@60Hz
Operating System	- Microsoft@ Windows10/11、 Windows Server - CompatibleLinux - Supports legacy boot mode
Expansion Slots	- 1 × PCI-E x4 Slot - Reserved Slots: 1× M.2 B-Key (for 4G/5G module) - Reserved Slots: 1× SIM card slot
Board Size	- 170mm(W) X 170mm(L)

Specifications	
Onboard Interface	- 2 * M.2 NVMe slots - 1 * PCI-E x4 slots - 1 * F_PANELpower switch header - 1 * USB2.0header - 2 × SYS_FAN headers - 1 * CPU_FAN header - 1 * GPIO header - 1 * COM port - 1 * USB3.0 port - 2 *vertical USB 2.0 ports - 8 * SATA3.0 ports - 1 * SATA power connector - 1 * I2Chheader - 2 * SO-DIMM DDR4 slot - 1 * ATX-24PIN connector - 1 * ATX-4PIN connector - 1 *
I/O Interface	- 1 * USB2.0 - 1 * USB3.0 - 1 * HDMI - 1 * DP - 2 * RJ45 2.5G Ethernet Ports - 1 * TF Card Slot
Power Supply	- ATX-24PIN + ATX-4PIN
Environment Conditions	- Storage:-10~75°C - Operating: 0~65°C - 5% to 95% (non-condensing)

Product Model : CW-NAS-WL

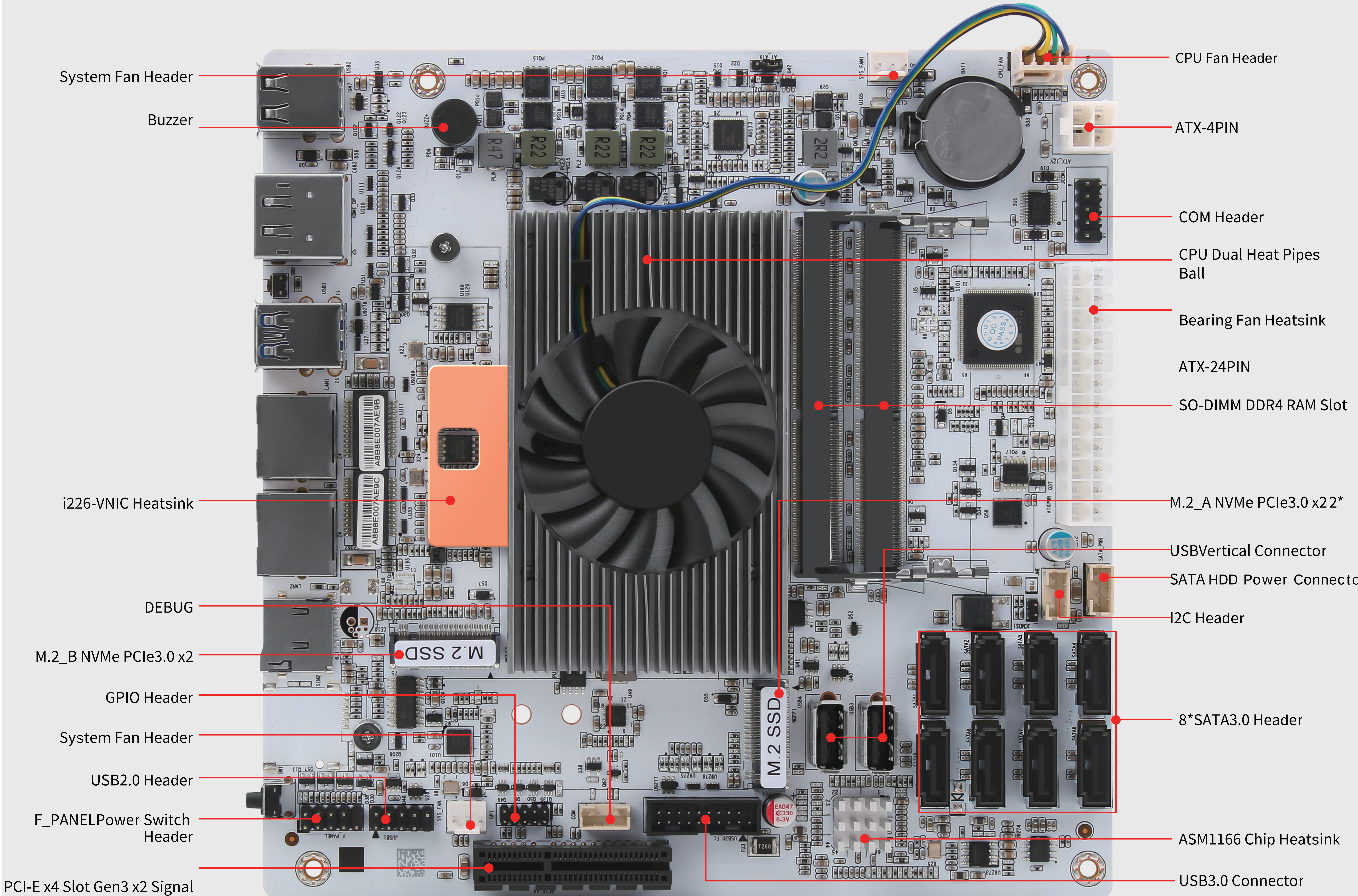
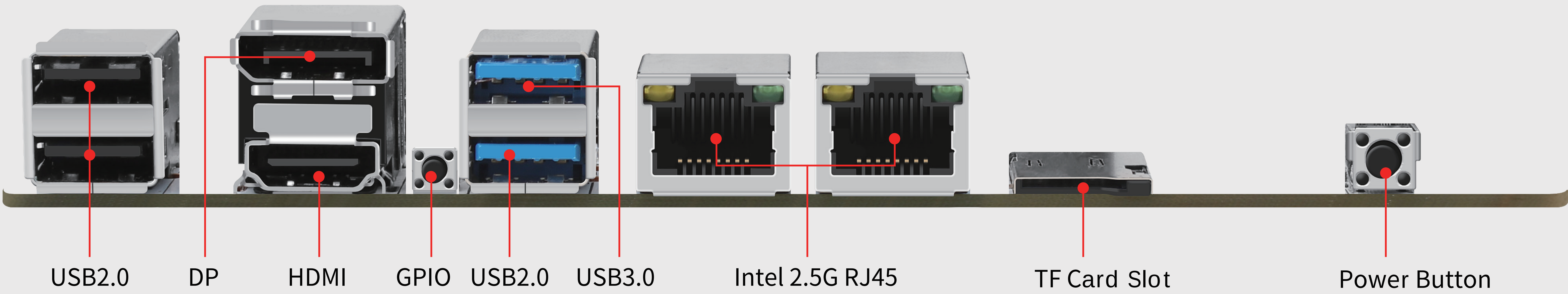


Front Side



Back Side

Interface Overview



PCIE Resource Diagram

BLOCK DIAGRAM

