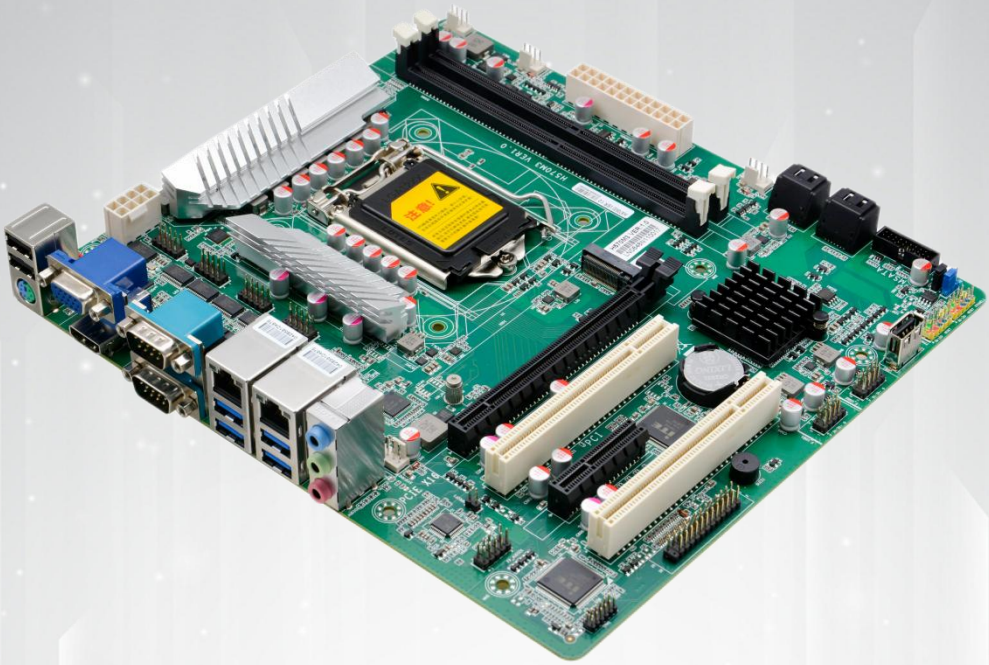
# H570M3 v:1.0

Micro ATX_ form factor, Based on Intel® Rocket Lake_H570 chipset

Processor-**LGA1200** socket / **6**W TDP

ideal for embedded systems, edge computing, IoT devices.



## Features

- CPU: LGA1200 10th/11th Intel® Celeron/Pentium/Core™ i3/i5/i7/i9
- Memory: Dual channel DIMM DDR4 up to 128GB
- Display: Intel® HD Graphics; VGA+HDMI displays
- Ethernet: 2* I210AT GbE Ports
- Storage: 4* SATA3.0; 1* M.2
- Expansion: 1* PCIE3.0 X16; 1* PCIE 3.0 X4; 2* PCI
- Power: ATX

intel IoT Solutions Alliance
Industrial Solution Builders Specialist

Scan to know more

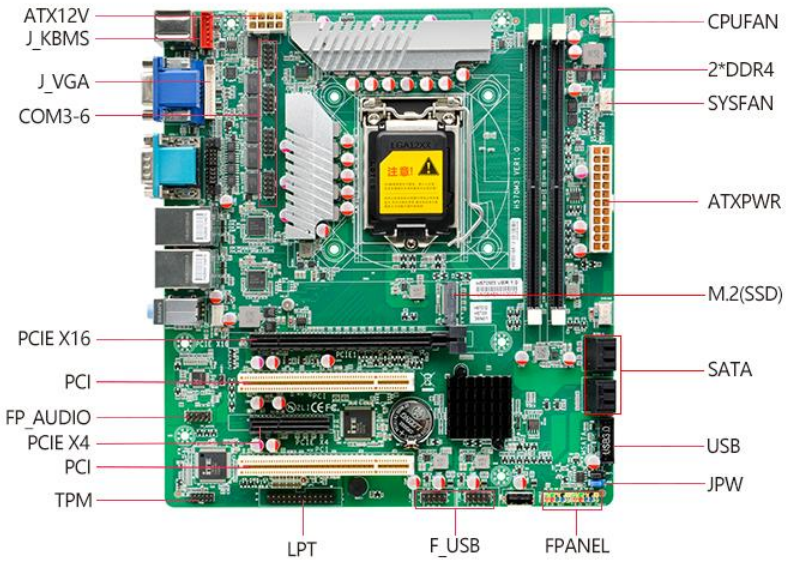
# Introduction

The Senbainno H570M3 is a high-performance Micro-ATX motherboard based on the Intel H570 chipset. It supports 10th and 11th Gen Intel® Celeron, Pentium, and Core™ i3/i5/i7/i9 processors (LGA1200) and features dual-channel DDR4 DIMM slots supporting speeds up to 3200MHz and a maximum capacity of 64GB. Integrated with an Intel® HD graphics controller for high-performance display output, it provides VGA and HDMI interfaces. Networking capabilities include dual Intel® I210AT Gigabit Ethernet ports, while storage connectivity is provided by four SATA 3.0 ports supporting transfer speeds up to 6Gbps. Additionally, it supports six RS-232 serial ports, with COM1 and COM2 configurable for RS-485/422 operation.

Combining powerful logic processing and robust integrated performance with a balance of low power consumption and high efficiency, the H570M3 is suitable for a wide range of industrial applications. It is ideal for use in industrial control, information systems, financial equipment, automated ticketing systems, automotive sectors, military applications, and various terminal markets.

GPIO Watchdog

# I/O Interfaces



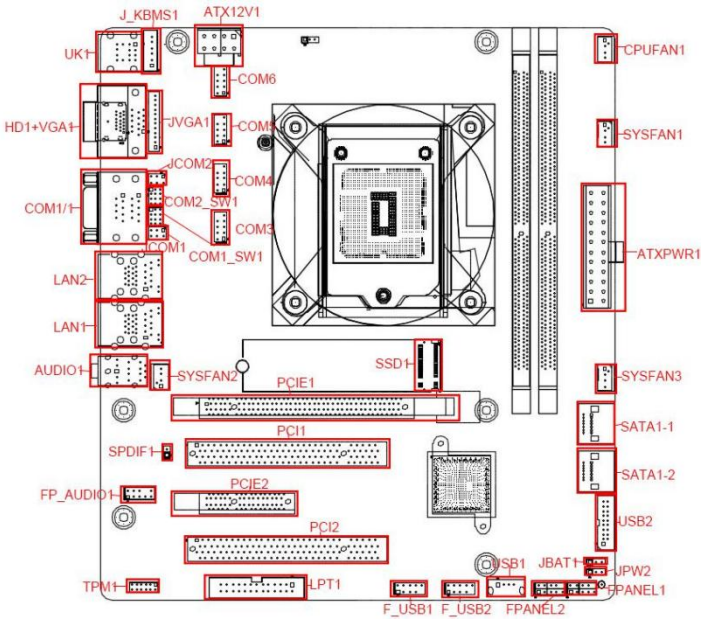


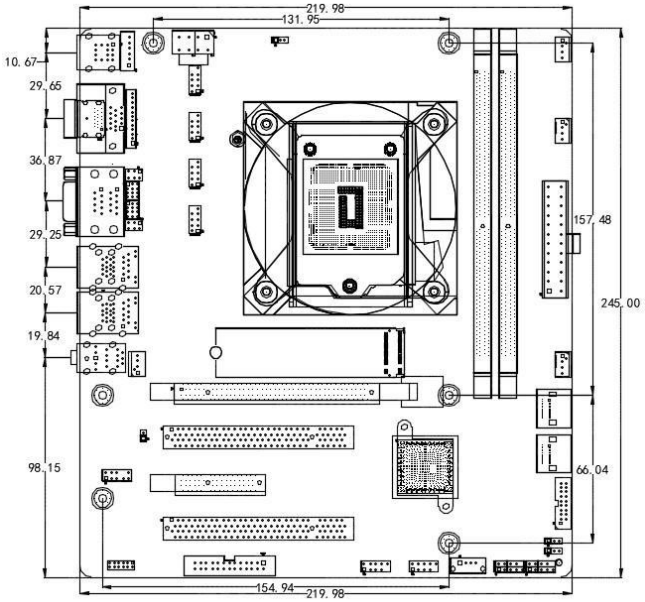

# Specifications:

| Model No. | H570M3 VER:1.0 |
|---|---|
| **Processor** | Support LGA1200 10th/11th Intel® Celeron/Pentium/Core™ i3/i5/i7/i9 processor |
| **Chipset** | Intel H570 high speed chipset |
| **RAM** | 2* DIMM slot ,support dual channel 3200MHz DDR4 memory, up to 128GB |
| **Dispay** | Intel® HD Graphics,support DirectX12.1,OpenGL4.5, support 4K |
| | 1* VGA; Max: 1920X1200@60Hz |
| | 1* HDMI1.4; Max: 4096x2160 @24Hz |
| **Ethernet** | 2* Intel® I210AT Gigabit Ethernet Lan, support Wake_on_LAN/PXE function |
| **Storage** | 4* SATA3.0 hard drive interface, transmission rate up to 6Gbps |
| | 1* M.2 slot; support M.2 Key M 2280 PCIE x4/SATA adaptive standard SSD |
| **Audio** | Onboard ALC897 7.1+2 channel high-fidelity audio controller, supports MIC/Line-out/Line-in |
| **Expansion Slot** | 1* PCIE3.0 X16 |
| | 1* PCIE 3.0 X4 |
| | 2* PCI |
| **Rear I/O interface** | 1* PS/2 interface (expandable keyboard and mouse) |
| | 1* DB15 VGA ; 1* HDMI1.4 |
| | 2* DB9 RS232 serial port, supports 9th pin power function, supports RS485/422 |
| | 2* USB2.0 interface; 4* USB3.0 interface (5Gbps), supports single-port 2A current |
| | 2* RJ-45 Gigabit network interface |
| | 1* three-layer audio interface, supports Line-out, MICK, Line-in |
| **Built-in I/O interface** | 4* USB2.0; 2*5pin, 1* vertical USB2.0 , 2* USB3.0 ; 2*10pin |
| | 1* front panel audio interface (2*5pin) |
| | 2* front panel function button and indicator interface (2*5pin) |
| | 1* 24pin ATX power socket 2* 8pin ATX power socket |
| | 1* PS/2 keyboard and mouse interface 1*6pin |
| | 1* JVGA interface 1*12pin, same signal as DB15 |
| | 1* TPM interface 2*6pin |
| | 4* RS232 serial port, 2*5pin |
| | 1* LPT interface 2*13pin |
| **Fan interface** | 1* 4pin CPU smart fan interface,4* 4pin system fan interface |
| **BIOS** | 128Mb Flash ROM |
| **Watchdog** | Support hardware reset function (256 levels, 0~255 seconds) |
| **OS** | Windows 10/Windows 11/Linux |
| **Power type** | ATX 24Pin and 8pin power supply |
| **Operating temperature** | -20℃ ~ 60℃ |
| **Storage temperature** | -20℃ ~ 70℃ |
| **Working humidity** | 5%-95% relative humidity, non-condensing |
| **Size** | 245mm x 220mm |

*All specifications and photos are subject to change without notice

## Interface Diagram




## Ordering Info

| No. | Model | Processor | South bridge | Memory | VGA | HDMI | LAN | USB | COM | RS485/RS422 | Power |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | H570M3 VER:1.0 | LGA1200 | H570 | 2*DDR4 | 1 | 1 | 2*I210AT | 13 | 6 | COM1/COM2 | ATX |

! ! *For customized options, please consult regional sales. And please conrm the model name and description before purchasing.

*The model name and description might vary due to inventory changes.

**Shenzhen Senba Innovation Technology Co., Ltd.**

Room 1902, 19th Floor, Building T12, Colorful Silicon Valley, Pingshan Industrial Zone, Pingshan District, Shenzhen ,Guangdong, China.

www.senbatech.com