



Features:

Independent CPU, supports Intel® 12th/13th/14th generation Core™ i3/i5/i7/i9 processors
 Powerful expansion capability, 1*PCIEX16, 1*32BIT PCI dual slots, compatible with graphics card/data acquisition card/motion control card and other expansion cards
 Rich I/O interfaces, 6*USB, 4*COM and 16bit isolated GPIO
 Pull-out hard disk design, easy for storage expansion, maintenance and upgrade
 Support wide temperature (-20 - 70°C)/wide voltage (DC 9-36V) operation
 Modular industrial design, efficient heat dissipation structure, stable and reliable performance
 1*DP, 1*HDMI, 1*VGA

Application:

A high-performance expandable industrial computer, designed for supporting industrial IoT peripheral applications, with 2 PCIe/PCI slots to enhance expansion performance, built-in H610 chipset, standard configuration
 Intel® 12th generation Alder lake-S series independent CPU, dual-channel DDR5 and rich I/O interfaces, 9V-36V wide voltage input, excellent heat dissipation structure and strong mechanical design to ensure the reliability and stability of applications in harsh environments, modular interface design, easy to upgrade and expand, adapt to industrial automation, machine vision, power communication, rail transportation, smart medical and other fields, bringing excellent computing power and flexible expansion performance.

Model: SM302-2

PC	
CPU Optional	Intel® Core i3-12100, 4 Cores, 8 Threads, Turbo 4.3GHz, 12 MB Cache
CPU Optional	Intel® Core i5-12400, 6 Cores, 12 Threads, Turbo 4.4GHz, 18 MB Cache
CPU Optional	Intel® Core i7-12700, 12 Cores(8 Performance-core, 4 Efficient-core), 20 Threads, Turbo 4.9GHz, 25 MB Cache
CPU Optional	Intel® Core i9-12900, 16 Cores(8 Performance-core, 8 Efficient-core), 24 Threads, Turbo 5.1GHz, 30 MB Cache
Memory	Standard pre-install 16G DDR5 Supports 2*262-Pin SODIMM, dual-channel DDR5 4800MHz, maximum 64GB
Storage	Standard Pre-install 512GB SSD 2*2.5 SATA3 easy-swappable hard disk rack, large capacity 15mm thick HDD, supports up to 6Gbps transmission speed 1*full-length mSATA, with SATA3.0, supports up to 6Gbps transmission speed
Operating System	Supports Win10/11, Linux/Ubuntu/Redhat/Debian
Cooling System	Copper tube heat dissipation and Active 2*Fan
I/O	
USB	3*USB3.0, 3*USB2.0, 4*USB2.0 pins (built-in)
Ethernet	2* RJ45 Ethernet (1000 Mbps+2500Mbps)
COM	4*COM, upgradeable to 6*COM (2*232/422/485 COM1, COM2 switchable via BIOS settings 4*232/485 switchable via jumper cap)
Signal output	1* DP, 1* HDMI, 1* VGA
GPIO	16-channel opto-isolated GPIO (can be upgraded to 16-channel non-isolated GPIO)

WiFi&Bluetooth	1*M.2 supports Key-E interface WiFi/Bluetooth module
4G/5G	1*M.2 supports Key-B interface M.2, 5G (3052/3042) module or M.2, 4G (3042) module
Audio	Realtek ALC897 audio, 1*Line out and 1*MIC high-fidelity audio, support 5.1 channels
Buttons/Indicator Lights	1* Power button w/LED, 2-pin Phoenix terminal remote switch, AT-ATX dip switch, Clear Cmos dip switch
Expansion	1*PCIEX16, 1*32BIT PCI
Other	
Working voltage	DC IN 9-36V, 4-pin 7.62 pitch Phoenix terminal block, with short circuit, reverse connection, overvoltage and overcurrent protection, power consumption 300W. (Can be upgraded to 20~60V wide voltage power supply)
Power consumption	≤150W
External Power Supply	DC 24V adapter, AC 100-240V(Optional, can be upgraded to AC 110-240V built-in switching power supply)
Operating temperature	-20℃~70℃
Storage temperature	-30℃~80℃
Reliability Test	Anti-static design, anti-surge design
Net weight	6.5KG
Product Dimension	250mm*294mm*182mm
Material	SGCC galvanized sheet, aluminum alloy
Color	Silver+dark blue
Installation	Wall-mounted, desktop, rack-mounted

