



Features:

Independent CPU, supports Intel® 12th/13th/14th generation Core™ i3/i5/i7/i9 processors

Rich I/O interfaces, 6*USB, 4*COM and 16-bit isolated GPIO

Pull-out hard disk design, easy for storage expansion, maintenance and upgrade

Supports wide temperature (-20 - 70°C)/wide voltage (DC 9-36V) operation

Modular industrial design, neat and beautiful, easier to expand and upgrade

8K+4K three-screen same display/different display, 1*DP+1*HDMI and 1*VGA

Application:

It adopts high-strength aluminum fin heat dissipation shell + precision sheet metal box structure, with stable performance and strong impact resistance. Modular industrial design, built-in H610 chipset, equipped with Intel's 12th generation Alder lake-S series independent CPU, supports multi-tasking and high-load computing. Rich I/O expansion, widely used in industrial automation, machine vision, power communication, rail transportation, smart medical and other fields.

Model: SM302-1

PC	
CPU Optional	Intel® Core i3-12100, 4 Cores, 8 Threads, Turbo 4.3GHz, 12 MB Cache, Fanless
CPU Optional	Intel® Core i5-12400, 6 Cores, 12 Threads, Turbo 4.4GHz, 18 MB Cache, Fanless
CPU Optional	Intel® Core i7-12700, 12 Cores(8 Performance-core, 4 Efficient-core), 20 Threads, Turbo 4.9GHz, 25 MB Cache, Fanless
CPU Optional	Intel® Core i9-12900, 16 Cores(8 Performance-core, 8 Efficient-core), 24 Threads, Turbo 5.1GHz, 30 MB Cache, Fanless
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	Fanless copper tube cooling
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
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	6.34KG
Product Dimension	250mm*294mm*102mm
Material	SGCC galvanized sheet, aluminum alloy
Color	Silver+dark blue
Installation	Wall-mounted, desktop, rack-mounted

