

AEOLUS-SV9-6L2C-1P



- 6th-9th Gen Intel® Core™ i7/i5/i3 with Desktop-grade Intel® H110 chipset, support processor up to 65W TDP;
- Comes with On board 6 channels Gigabit LAN, supports Wake-on-LAN, PXE;
- Features 2*RS232/RS485, switchable via DIP switches or BIOS;
- Features M.2 SSD high-speed storage, achieve exceptional data throughput, real-time data acquisition, analysis, and storage in industrial environments;
- Built-in PCIe x8 Slot, support 10G Ethernet cards, high-speed capture cards;
- Supports 4G/WIFI wireless internet access and enables wireless remote control assistance in various environments;
- Supports DC 12V/19V/24V power supply with strong resistance to current interference;
- Supports multiple installation methods: wall-mounted, vertical, and DIN rail mounting;
- Adopts open grille with hidden cooling fans & copper tube heat dissipation system, ensuring excellent heat dissipation performance;



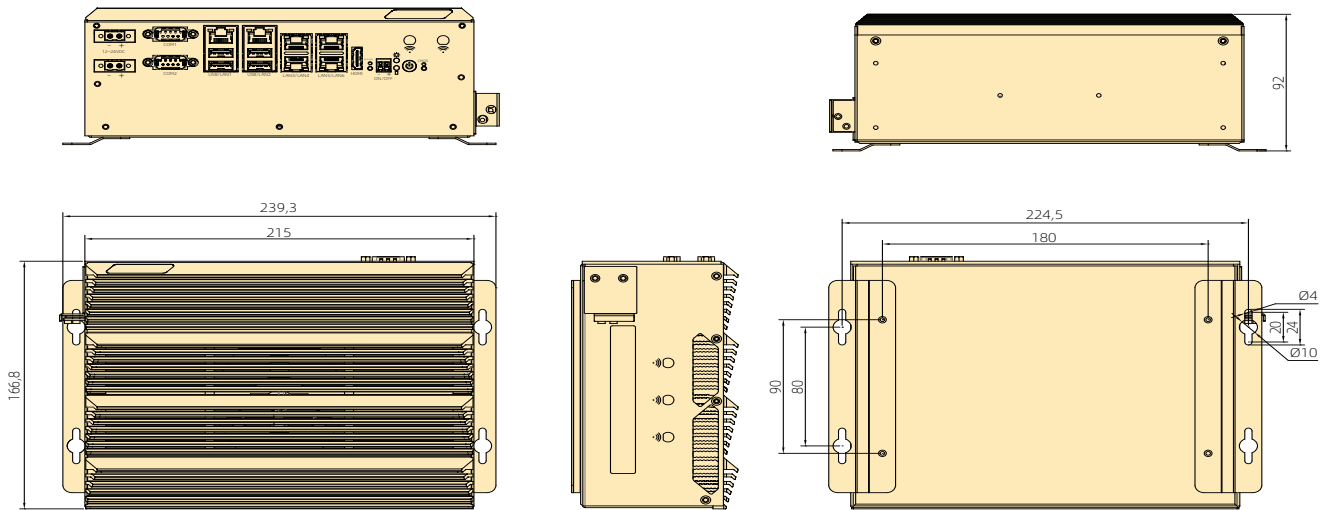
Specifications

The actual appearance is subject to the final configuration.

Model	AEOLUS-SV9-6L2C-1P	
Supported OS	Win10, Win 11, Linux (Ubuntu, Debian, Kali, CentOS, etc.), Win 10 IoT	
Chipset	Model	Intel® H110 Chipset, TDP 6W
	vPRO Tech	Non-supported
CPU	Socket	Intel® Desktop Processors Socket LGA1151
	Series	6th-9th Gen. Intel® Core™ i7/ i5 /i3 Processor
	TDP	Up to 65W
	Graphic	Intel® HD Graphics 530 for 6th Gen. processor Intel® HD Graphics 630 for 7th Gen. processor Intel® UHD Graphics 630 for 8-9th Gen. processor
	BIOS	AMI UEFI BIOS; External Clearable CMOS button
RAM	SO-DIMM	2* SO-DIMM DDR4 2666 MHz Socket, Capacity up to 64GB
	M.2	1* M.2 (NGFF) 2280 M-key slot, support SATA 6Gbps/PCIe 3.0 x4 Adaptive SSD;
I/O Interface	COM	2* RS232/RS485, switchable via BIOS
	Ethernet	5* Intel i210-AT GbE LAN, 1* Intel i219-V GbE LAN; Supports wake-on-LAN, PXE
	USB	4* USB 3.0; 1* Internal USB 2.0; 2* 4-Pin USB 2.0 internal header
	Video	1* HDMI (Max Resolution: 3840x2160 @30Hz);
	Audio	1* Mic-in + Line-out wafer
	SIM	1* Nano SIM connected to Mini-pcie slot, support 4G wireless
	Power Supply	DC 12V/19V/24V, Auto detected, support RVP/OVP/OC; 2* 2-PIN green connector, 5.08mm
Extended Capabilities	Additional Internal Interface	1* Full Size Mini-PCIe1 slot, PCIe x1 GEN3 + USB 2.0, optional CAN/LAN/WiFi ect. 1* Full Size Mini-PCIe (USB2.0), support 4G;
Environment	Operating Temp.	-10 ~ 60°C w/ 0.7m/s Airflow
	Storage Temp.	-20 ~ 75°C (-4~167 °F)
	Relative Humidity	40°C @95%, Non-Condensing
Physical Characteristics	Dimensions	215* 86.1* 166.8 mm (W* H* D)
	Net Weight	2.30 KG
Regulation	EMC	CE/FCC Class B, CCC
	Safety	CE-LVD, RoHS, CCC

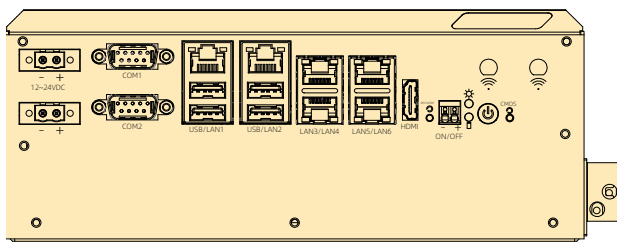
Dimension

Unit:mm

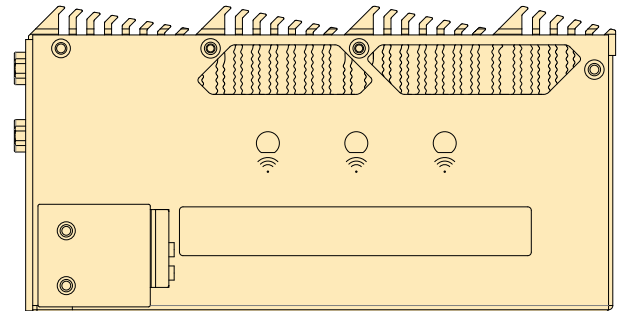


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Front Panel External I/O Mechanical Layout/Drawing



Side Panel External I/O Mechanical Layout/Drawing



Ordering Information

SO-DIMM Socket	M.2 2280 M-key Slot	Full Size Mini-PCIe	PCIE x8 Slot	RS232/RS485 switchable	Intel GbE LAN	Nano SIM Card Slot (Built-in)
2	1	2	1	2	6	1
USB3.0	Internal USB2.0	USB 2.0 Headers	HDMI	External Clearable CMOS	Remote Switch Button	Power Supply
4	1	1	1	1	1	DC 12V/19V/24V

Packing list

Default Items	Qty
AEOLUS-SV9-6L2C-1P Unit	1
Wall-mounted bracket	1
AC-to-DC Adapter	1
Power cable 3-pin 150cm	1

Options for default items

Optional Items	Qty
Power cable 3-pin 150cm, USA type	-
Power cable 3-pin 150cm, EU type	-
Power cable 3-pin 150cm, UK type	-

Processors Info & Available List

CPU	Code Name	Total Cores	Total Threads	Max Turbo Frequency	Base Frequency	Cache	TDP	Memory Types	Integrated Graphics
Intel® Core™ i3-6100	Sky Lake	2	4	-	3.70 GHz	3 MB Intel® Smart Cache	51W	DDR4	Intel® HD Graphics 530
Intel® Core™ i3-7100	Kaby Lake	2	4	-	3.90 GHz	3 MB Intel® Smart Cache	51W	DDR4	Intel® HD Graphics 630
Intel® Core™ i3-8100	Coffee Lake	4	4	-	3.60 GHz	6 MB Intel® Smart Cache	65W	DDR4	Intel® HD Graphics 630
Intel® Core™ i3-9100	Coffee Lake	4	4	4.20 GHz	3.60 GHz	6 MB Intel® Smart Cache	65W	DDR4	Intel® HD Graphics 630
Intel® Core™ i5-6500	Sky Lake	4	4	3.60 GHz	3.20 GHz	6 MB Intel® Smart Cache	65W	DDR4	Intel® HD Graphics 530
Intel® Core™ i5-7500	Kaby Lake	4	4	3.80 GHz	3.40 GHz	6 MB Intel® Smart Cache	65W	DDR4	Intel® HD Graphics 530
Intel® Core™ i5-8400	Coffee Lake	6	6	4.00 GHz	2.80 GHz	9 MB Intel® Smart Cache	65W	DDR4	Intel® HD Graphics 630
Intel® Core™ i5-9500	Coffee Lake	6	6	4.40 GHz	3.00 GHz	9 MB Intel® Smart Cache	65W	DDR4	Intel® HD Graphics 630
Intel® Core™ i7-6700	Sky Lake	4	8	4.00 GHz	3.40 GHz	8 MB Intel® Smart Cache	65W	DDR4	Intel® HD Graphics 530
Intel® Core™ i7-7700	Kaby Lake	4	8	4.20 GHz	3.60 GHz	8 MB Intel® Smart Cache	65W	DDR4	Intel® HD Graphics 630
Intel® Core™ i7-8700	Coffee Lake	6	12	4.60 GHz	3.20 GHz	12 MB Intel® Smart Cache	65W	DDR4	Intel® HD Graphics 630
Intel® Core™ i7-9700	Coffee Lake	8	8	4.70 GHz	3.00 GHz	12 MB Intel® Smart Cache	65W	DDR4	Intel® HD Graphics 630

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!! Note: For more interface configuration or available processors, please consult the sales.

Optional accessories or internal modules for unit

Optional Items	Max Qty	Description
4G Module	1	Connected by Mini-PCIe interface
USB 16 bit GPIO	1	Connected by USB interface
WiFi Module without AP mode	1	Connected by Mini-PCIe interface
EtherCAT	1	EtherCAT Master, supporting a maximum of 16 slaves (servos + I/O) at a 1ms cycle

!! Note: As this product has expansion slots, please consult sales for the specific maximum number of expandable interfaces.