

# AEOLUS-SVA35-4L2C



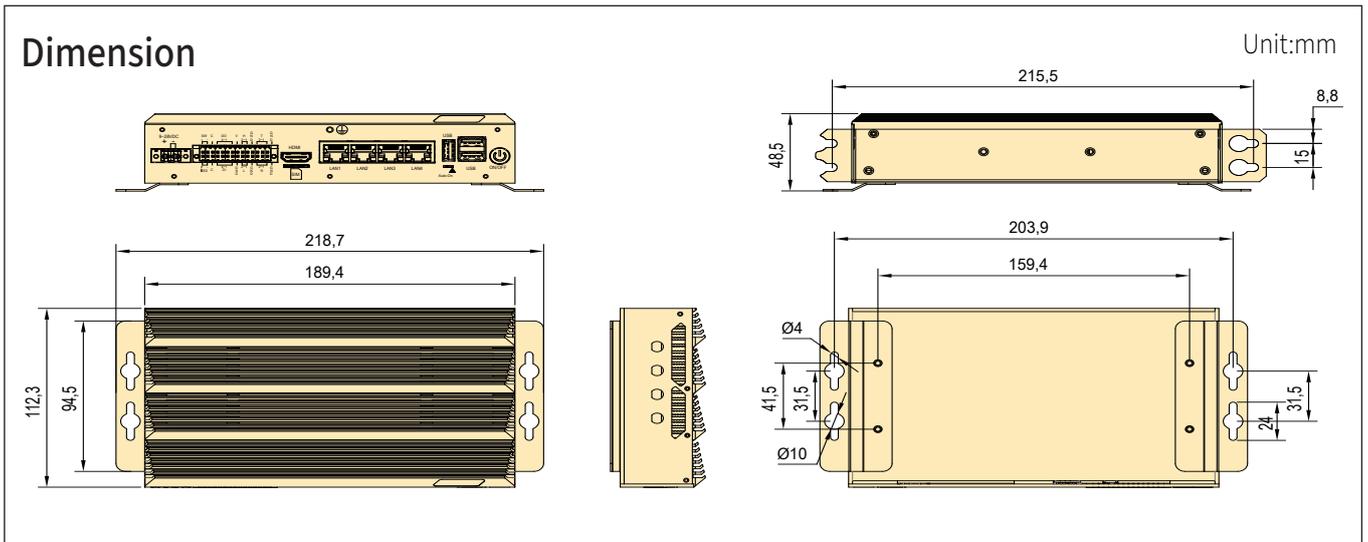
- Equipped with the Rockchip RK3588 series processor, it integrates 6 TOPS of computing power to enable real-time analysis of high-resolution video streams and complex visual data;
- Comes with 2 Channel Serial output, it supports RS485/RS232 switching;
- Comes with 4 GbE LAN, enabling reliable wireless remote control assistance and high-speed visual data transfer in demanding visual solution scenarios;
- Comes with 1\*HD Display, with resolution up to 4096 x 2304@60Hz;
- 8\*IO support signal mode and switch mode, comes with 2-CH CAN isolation;
- Supports DC 9-28V wide-range power supply with strong resistance to interference;
- Built with an industrial-grade, fanless, and cable-free chassis, supporting a wide operating temperature range for reliable performance in harsh environments.
- Multiple mounting options available, DIN-Rail, Wall-Mount, Embedded;



The actual appearance is subject to the final configuration.

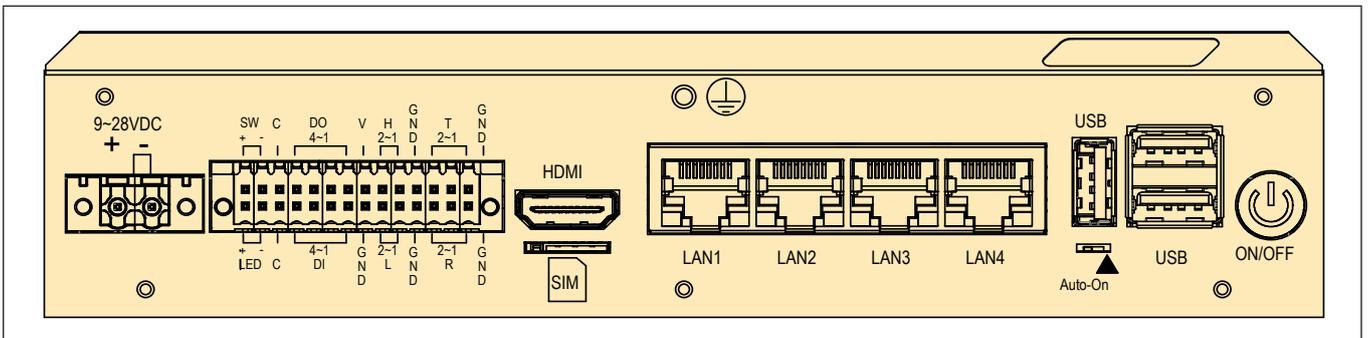
## Specifications

Model	AEOLUS-SVA35-4L2C		
Supported OS	Linux (Ubuntu 22.04)		
SoC	ARM Rockchip RK3588, 4*Cortex-A76 + 4*Cortex-A55, Clock speed up to 2.4GHz		
GPU	Integrated ARM Mali-G610 MP4 GPU, supports OpenGL ES 1.1/2.0/3.2, OpenCL 2.2, Vulkan 1.2		
RAM	SDRAM	SDRAM LPDDR4X-3200MHz on board	
	Capacity	4G	8G
Storage Device	eMMC	eMMC 5.1 64GB	
	Form factor	1* M.2 (NGFF) M-key slot, support M.2 2242/2280 SSD;	
I/O Interface	COM	Supports 2-channel serial output ( Support RS232/RS485 switching) and digital capacitive isolation	
	CAN	Support 2 Channel CAN, and digital capacitive isolation	
	Ethernet	4 * GbE LAN Chip (10/100/1000 Mbps), RJ45;	
		1*WIFI 5 RTL8111CU, 433 MHz	
	USB	1* USB 3.0 (One is OTG)	
		2 * USB2.0 1* Internal USB 2.0 4PIN header	
	Video	1* HDMI 2.0 (Max Resolution: 4096 x 2304@60Hz);	
	SIM	1* Nano SIM connected to M.2 B-Key, support 4G/5G wireless	
Power Supply	DC 9-28V, 1* 2-PIN green connector, 5.08mm		
Feature I/O	1* 8-bit GPIO on board (4*DI + 4* DO) with optocoupler isolation, support DC 5-24V (with a max single-port current of 1A), support switch mode/ signal mode; 1* Remote Switch Button; 1* power-on auto-start DIP switch;		
Extended Capabilities	Additional Internal Interface	1* M.2 B-Key 3042/3052, USB 2.0 signal, support 4G/5G; 1* Mini-PCIE Slot, USB 2.0 + PCIE x1, supporting Bluetooth (BT) modules and Serial Expansion Cards; 1* TF Card Slot;	
Environment	Operating Temp.	-10 ~ 60 °C	
	Storage Temp.	-40 ~ 85 °C (-40~185 °F)	
	Relative Humidity	40°C @95%, Non-Condensing	
Physical Characteristics	Dimensions	189.5* 43.5* 112.3 mm (W* H* D)	
	Net Weight	1.00 KG (The final weight please refer to exact specification)	
Regulation	EMC	CE/FCC Class B, CCC	
	Safety	CE-LVD, RoHS, CCC	



The actual appearance and dimensions are subject to the final configuration

### Front Panel External IO Mechanical Layout/Drawing



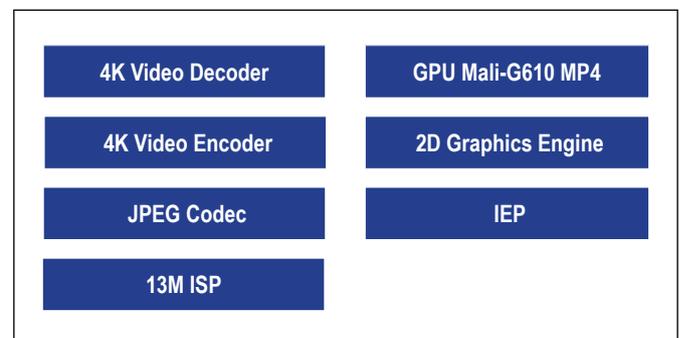
### Ordering Information

M.2 3042/3052 B-Key Slot	M.2 2280 M-key Slot	Full Size Mini-PCle	Serial Port (RS232/RS485)	Realtek GbE LAN	HDMI	USB 3.0 (OTG)
1	1	1	2	4	1	1
USB2.0	USB2.0 4-PIN Header	USB 2.0	8-bit GPIO with O/I	TF Card Slot	Nano SIM Card Slot	Power Supply
2	1	1	1	1	1	DC 9-28V

### Processor Information

<b>Model</b>	RK3588
<b>CPU</b>	Octa-Core ARM, 4*Cortex-A76 + 4*Cortex-A55
<b>GPU</b>	ARM Mali-G610 MP4 Supports OpenGL ES 1.1/2.0/3.2, OpenCL 2.2, Vulkan 1.2 High performance 2D/ 3D graphics processor
<b>NPU</b>	Support 6 TOPS AI computing power
<b>Multi-Media</b>	Support 4K@60fps H.265/H.264/AVS2/AVS3 decoder Support 4K@60fps H.265/H.264/AVS2 encoder Support 13M ISP with HDR/ WDR

### Media Processing Capability



**Packing list**

Default Items	Qty
AEOLUS-SVA35-4L2C 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	-

**Optional accessories or internal modules for unit**

Optional Items	Max Qty	Description
4G/5G Module	1	Connected by M.2 interface
WiFi BT Module	1	Supports Wi-Fi connectivity, with 2.4 GHz & 5.0 GHz dual-band; Connected by Mini-PCIe interface
M.2 M-Key SATA 3.0 SSD	1	128G/ 256G/ 512G

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