

AEOLUS-SVA35-2L10C



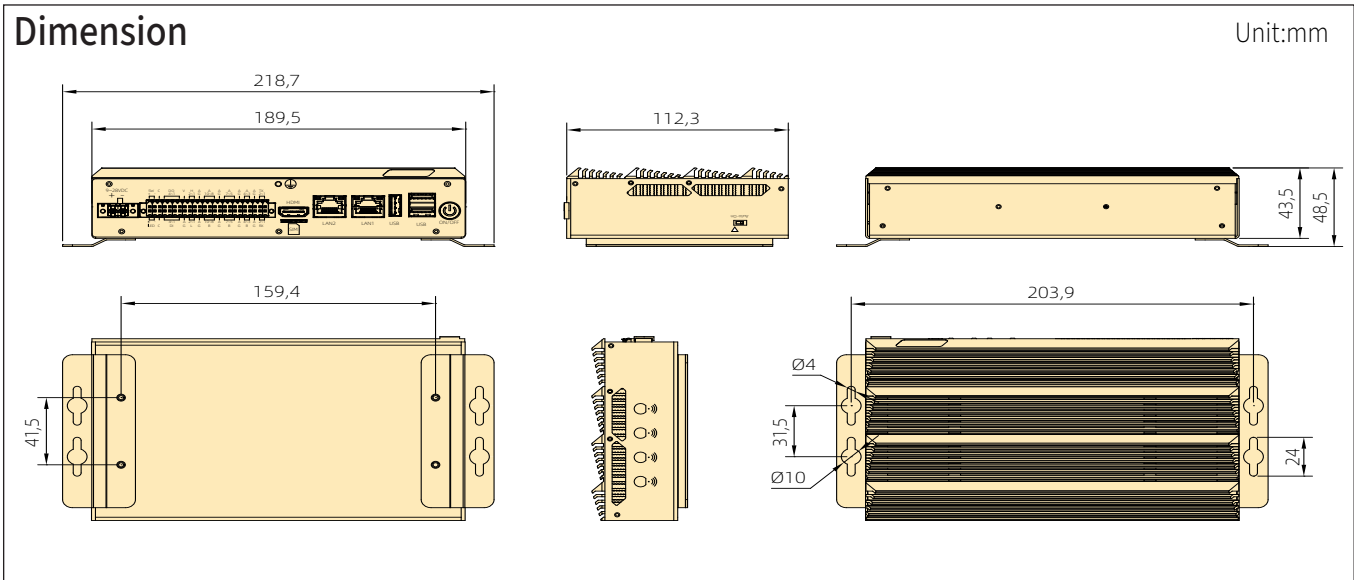
- Equipped with the Rockchip RK3568 series processor, it integrates 1 TOPS computing power and supports lightweight AI inference;
- Comes with 10 Channel 485 output, 1 & 2 supports RS485/RS232 switching;
- Comes with 2*GbE LAN, supports 4G/5G wireless internet access and enables wireless remote control assistance in various environments;
- Comes with 1*HD Display, with resolution up to 4096x2304@60Hz;
- 8*IO support signal mode and switch mode, comes with 2-CH CAN isolation;
- Supports DC 9-24V wide-range power supply with strong resistance to interference;
- Multiple mounting options available, DIN-Rail, Wall-Mount, Embedded;
- Fully enclosed with fanless cooling system and cable-free design;



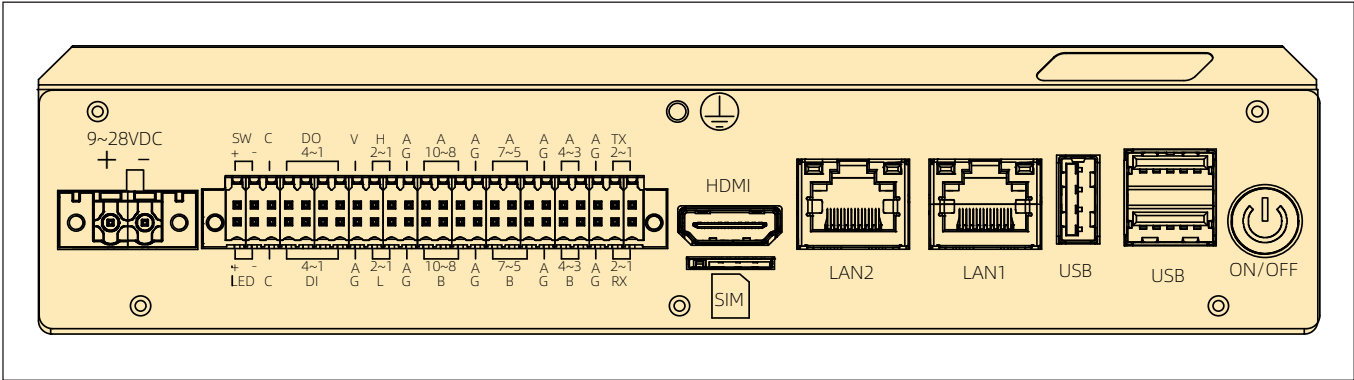
The actual appearance is subject to the final configuration.

Specifications

Model	AEOLUS-SVA35-2L10C		
Supported OS	Android 11, Linux(Debian,Ubuntu)		
SoC	ARM Rockchip RK3568B2, 4*Cortex-A55, Clock speed up to 2.0GHz		
RAM	SDRAM	SDRAM LPDDR4X-3200MHz on board	
	Capacity	4G	8G
Storage Device	eMMC	eMMC 5.1 64GB	eMMC 5.1 64GB
	Form factor	1* M.2 (NGFF) 2280 M-key slot, support PCIe4 Gen.3 NVMe/ SATA3.0 SSD	
I/O Interface	COM	Supports 10-channel 485 output (Channels 1 & 2 support RS232/RS485 switching) and digital capacitive isolation	
	CAN	Support 2 Channel CAN, and digital capacitive isolation	
	Ethernet	2 * Realtek GBE LAN Chip (10/100/1000 Mbps), RJ45;	
	USB	2* USB 3.0 (One is OTG) 1 * USB2.0 1* Internal USB 2.0 4PIN header	
	Video	1* HDMI 2.0 (Max Resolution: 4096x2304 @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 3.0 signal, support 4G/5G; 1* M.2 M-key SATA 3.0, support M.2 2242/2280 SSD; 1* Mini-PCIe Slot, USB 2.0 + PCIe1, support BT, Serial Expansion Card and so on; 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	



Front Panel External IO Mechanical Layout/Drawing



Ordering Information

M.2 2280 B-Key Slot	M.2 2280 M-key Slot	Full Size Mini-PCIe	Serial Port (RS232/RS485)	Serial Port (RS485)	Realtek GbE LAN	USB 3.0
1	1	1	2	8	2	1
USB3.0 (OTG)	USB2.0 4-PIN Header	USB 2.0	HDMI	TF Card Slot	Nano SIM Card Slot	Power Supply
1	1	1	1	1	1	DC 9-28V

Processor Information

Model	RK3568B2
CPU	Quad-Core ARM Cortex-A55, up to 2.0GHz
GPU	ARM G52 2EE Support OpenGL ES 1.1/2.0/3.2, OpenCL 2.0, Vulkan 1.1 High performance dedicated 2D processor
NPU	Support 1 TOPS ((Enhanced AI inference))
Multi-Media	Support 4K 60fps H.265/H.264/VP9 decoder Support 1080P 60fps H.265/H.264 encoder Support 8M ISP with HDR
I/O Interface	PCIe 3.0 (Increased bandwidth)

Media Processing Capability

4K Video Decoder

GPU Mali-G52-2EE

1080p Video Encoder

2D Graphics Engine

JPEG Codec

IEP

8M ISP

Packing list

Default Items	Qty
AEOLUS-SVA35-2L10C 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.