



Features

- Broadcom BCM2711 quad-core Cortex-A72 SoC @ 1.5GHz
- On board LPDDR4, up to 8 GB, eMMC 5.1 x 1
- HDMI 2.0 x 1
- GbE x 2, USB 2.0 x 2
- Full-sized mini card x 1
- RS-232/422/485 switchable x 2, RS-485 with isolation x 1
- CAN 2.0 A/B x 2, TPM 2.0, RTC
- Wide Voltage DC 9V ~ 36V
- Wide Temperature -20 °C ~ 70 °C



Specifications

System	
Processor	Broadcom BCM2711 Quad-Core Cortex-A72 SoC @1.5 GHz
Memory	On board LPDDR4, up to 8 GB
Storage	eMMC 5.1, 8/16/32 GB (Optional) Micro SD Card x 1 (Optional w/o eMMC)
Real Time Clock	RTC x 1, with 3V CR2032H Lithium battery
Security	TPM 2.0 (Optional)
Indicators	Programmable LED control x 3
Cellular	—
Wireless Lan	—
Operating System	Raspberry Pi Desktop Debian 11
Support Protocol	—
I/O Interfaces	
Serial Port	RS-232/422/485 switchable x 2 RS-485 with isolation x 1 (Optional)
Ethernet	Gigabit Ethernet x 2, RJ45
Audio	—
USB	USB 2.0 x 2 USB 2.0 OTG x 1
ADC	—
DI/DO	DI x 2 / DO x 2 with Isolation (optional)
CAN Bus	CAN 2.0 A/B x 2
Display	HDMI 1.4, up to 4K30 (For SD card storage, up to 1080P)
Power Connector	2 pin 3.81mm pitch phoenix connector
Debug Port	UART x 1 (Internal Wafer Box)
Expansion Slot	Full-sized mini card x 1 (USB signal)
Other Interface	Software button x 1 Power button x 1 Reset button x 1
Power Supply	
Power Requirement	DC 9 ~36 V
Power Consumption	12.6 W
MTBF (Hours)	1,311,814 Hours
Environmental and Mechanical	
Dimension	4.11 " x 4.13" x 1.89" (104.4 x 105 x 41mm)
Weight	1.08 lb (0.49 kg)
Mount Options	Wall Mount, Din Rail (Optional)
Operation Temperature	-4°F ~ 158°F (-20 °C ~ 70°C)
Storage Temperature	-40°F ~ 176°F (-40°C ~ 80°C)
Operation Humidity	10% ~ 95% relative humidity, non-condensing
Certification	CE/FCC Class A

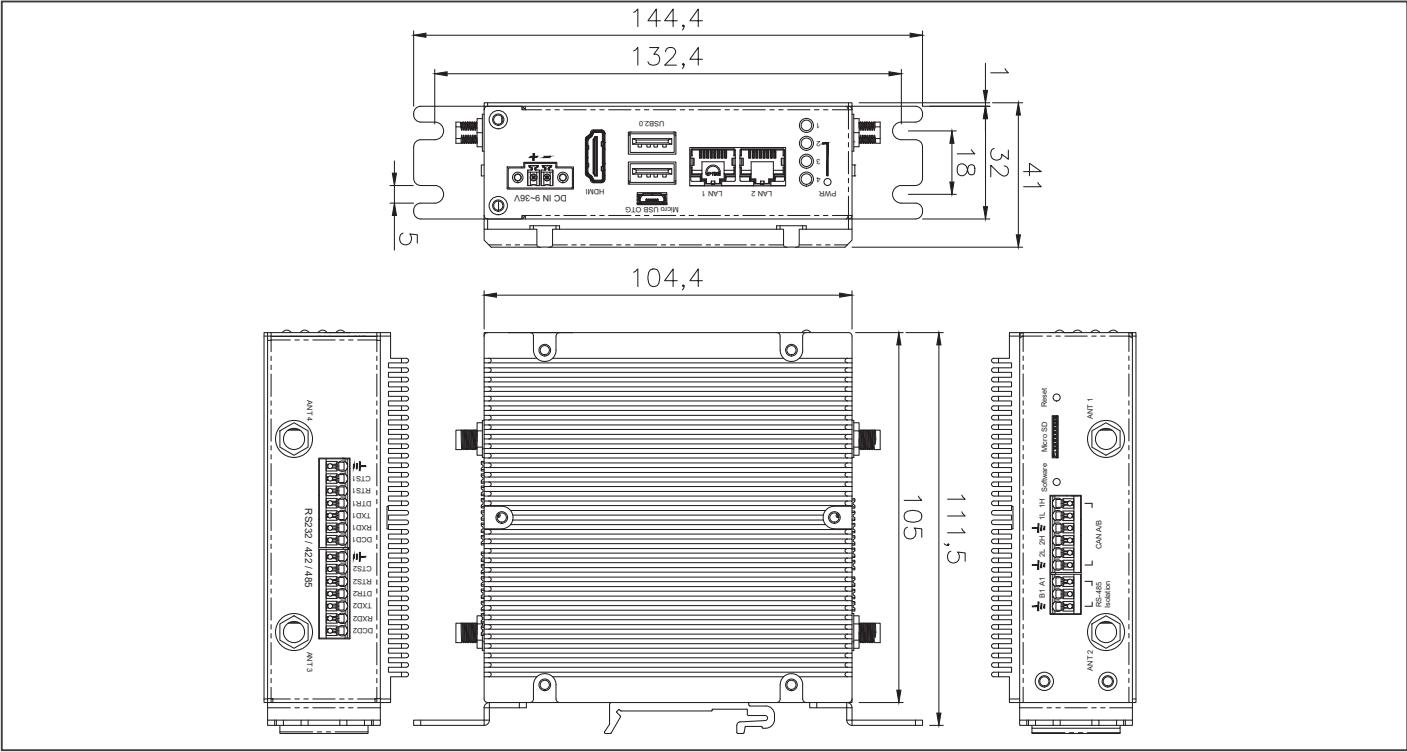
Packing List

- SRG-CM4 x 1 (Without CM4 module due to price fluctuations driven by market shortages)
- 2pin 3.81mm Power Terminal block w/lock AWG 28~14 x 1



Dimension

Unit: mm



Optional Accessories

Part Number	Description
1255300611	Power Adapter.DC.100/240V.12V.5A.60W.2p phoenix P=3.81mm.
170203180J	POWER CORD.3P-250V 13A.1.8M.UK
170X000799	POWER CORD.3P-125V 10A.1.8M.USA
170X000800	POWER CORD.3P-250V 10A.1.8M.EU
170X000806	POWER CORD.3P-125V 7A.1.8M.TWN
170X000803	POWER CORD.3P-125V 7A.1.8M.JPN
9651SCM400	Wall mount kit. 32x32mm.SRG-CM4 series
9651352C02	DIN rail kit

Ordering Information

Part Number	CPU	NPU	Memory	Display	Storage	LAN	USB	COM	Expansion Slot	Power	Operating Temp	Audio	Others	OS
SRG-CM4-A10-0001	— (by CM4 module)	—	— (by CM4 module)	HDMI x 1	Micro SD card x 1 (or eMMC from CM4 module)	GbE x 2	USB 2.0 x 2, USB 2.0 OTG x 1	RS-232/422/485 switchable x 2, RS-485 with isolation x 1	Full-sized mini card x 1 (USB signal)	9V ~ 36V	-20 °C ~ 70 °C	—	CAN 2.0 A/B x 2 TPM 2.0	—

*The SRG-CM4 is a carrier board system and doesn't include the CM4 module due to price fluctuations driven by market shortages.
Please contact our sales team if you would like AAEON to provide the module.