

# SRG-CM4

Standard RISC Gateway Board With Broadcom BCM2711 Quad-Core Cortex-A72 SoC @ 1.5GHz

RISC Gateway Solutions - RISC Gateway & Expansion



## 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
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% ~ 90% relative humidity, non-condensing
Certification	CE/FCC Class A

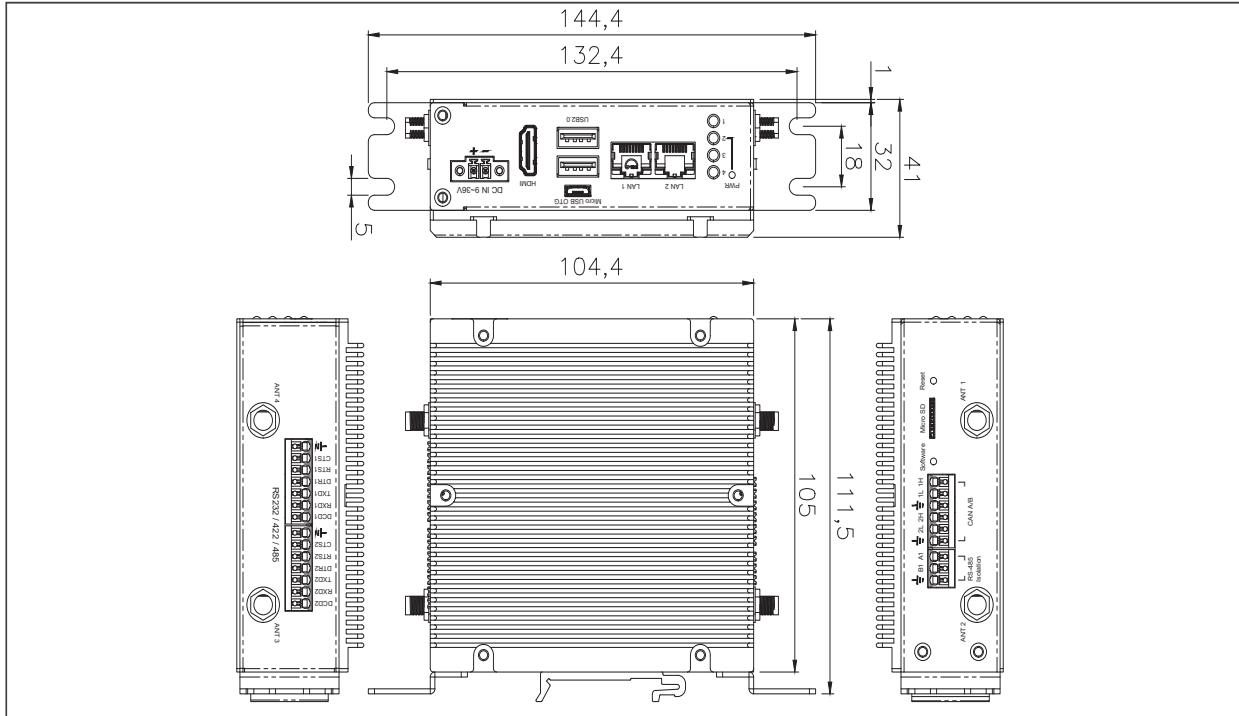
# SRG-CM4

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## Dimension

Unit: mm



## Packing List

- SRG-CM4 x 1
- 2pin 3.81mm Power Terminal block w/lock AWG 28-14 x 1

## Optional Accessories

Part Number	Description
125530040D	Power Adapter.DC.100-240V.12V.3.34A.40W.3P Phoenix P=3.81mm.
170203180J	POWER CORD.3P-250V 13A.1.8M.UK
170X00799	POWER CORD.3P-125V 10A.1.8M.USA
170X00800	POWER CORD.3P-250V 10A.1.8M.EU
170X00806	POWER CORD.3P-125V 7A.1.8M.TWN
170X00803	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 DI x 2 / Do x 2 with isolation	—

## Assured Systems

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