

# SIG-C301

## Industrial IoT Edge Gateway with Broadcom BCM2711 Quad Cortex-A72



### Features

- Support Broadcom BCM2711 quad-core Cortex-A72
- Onboard DDR4L 1/2/4 GB, eMMC 8/16 GB
- 2 x RS-232/485
- 1 x isolated digital input, 1 x isolated digital output
- 2 x GbE LAN
- 2 x USB 3.0 type A, 1 x CAN-FD
- 9 ~ 36 VDC, wide-range power input
- Wide-range operating temperature: -20 ~ 70°C

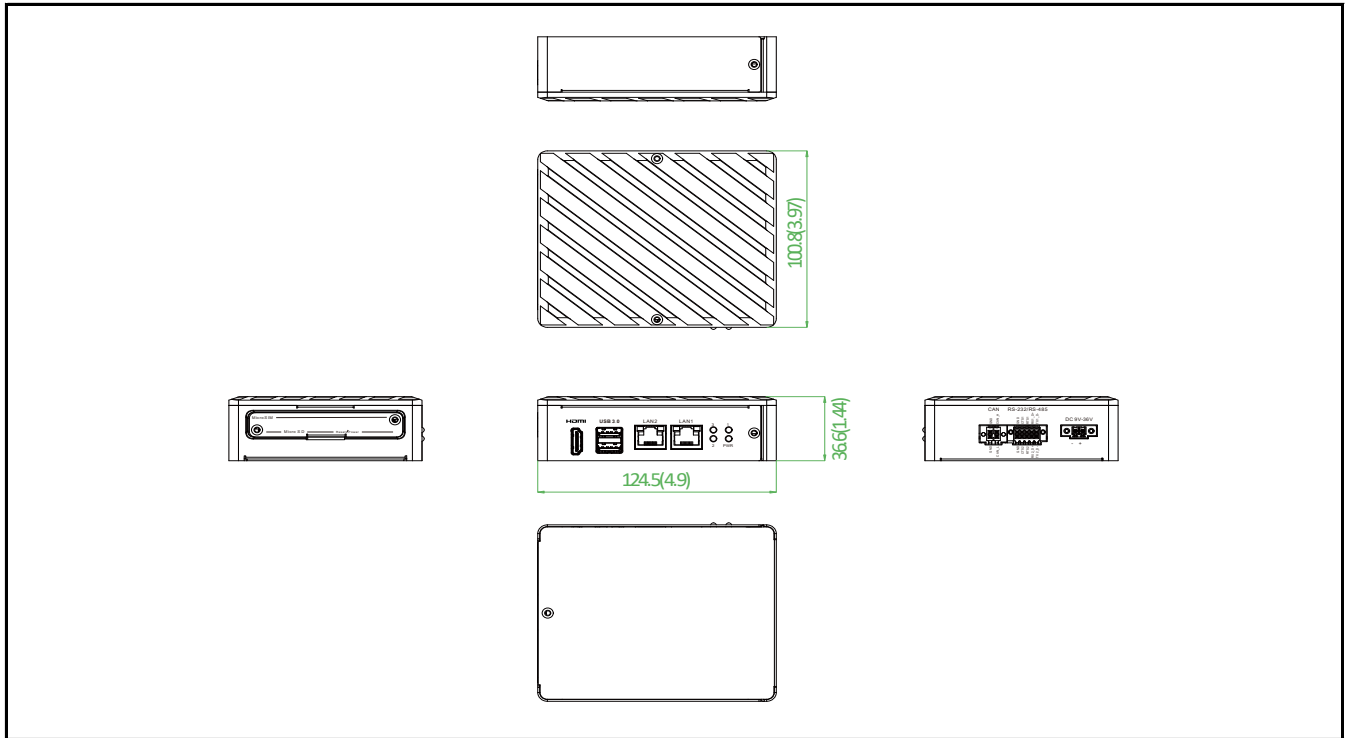
### Specifications

System	
Processor	Broadcom BCM2711 Quad-core Cortex-A72
Memory	1/2/4 GB (model variant)
Storage	8/16 GB (model variant)
Real time clock	Yes
Indicators	3 x user definable LED indicators
Security	1 x TPM 2.0
Cellular	1 x B-key M.2 2280/3054 (USB signaling)
Wireless LAN	Wi-Fi 802.11 b/g/n/ac, BT 5.0 (varies with installed CM4 SOM)
Operating System	Raspberry Pi OS
Support Protocol	--
Power Supply	
Power Requirement	9 ~ 36 VDC
Power Consumption	TBD
MTBF (Hours)	--
Environmental and Mechanical	
Dimension	124.5 x 100.8 x 36.6 mm (4.9" x 3.96" x 1.44")
Weight	< 0.6 kg
Mouting/Installation	Wall Mount
Operating Temperature	-20 ~ 70 °C (-4 ~ 158 °F)
Storage Temperature	-40 ~ 85 °C (-40 ~ 176 °F)
Operating Humidity	10% ~ 95% relative humidity, non-condensing
Certification	
Regulations	CE, FCC
Carrier	Planning

Interface	
Serial Port	2 x RS-232/485
CAN Bus	1 x CAN-FD, terminal block
Ethernet	2 x GbE LAN, RJ45
USB	2 x USB 3.2 Gen 1, type A 1 x USB 2.0 OTG
DI/DO	1 x isolated digital input (DI) 1 x isolated digital output (DO)
AI/AO	--
Display	1 x HDMI 2.0
Power Connector	1 x Terminal block 3pin
Expansion Slot	1 x SIM card slot
Other Interface	M.2 B-Key 2280/3054

## Dimension

Unit: mm / inch



## Ordering Information

### Packing List

- 1 x Terminal Block
- 1 x Antenna

### Part Number

<b>2SIG-C301-RB00-01</b>	BCM2711 Quad-core Cortex-A72 LPDDR4 1 GB eMMC 8 GB 9 ~ 36 VDC
<b>2SIG-C301-RB11-01</b>	BCM2711 Quad-core Cortex-A72 LPDDR4 2 GB eMMC 16 GB 9 ~ 36 VDC
<b>2SIG-C301-RB22-01</b>	BCM2711 Quad-core Cortex-A72 LPDDR4 4 GB eMMC 16 GB 9 ~ 36 VDC