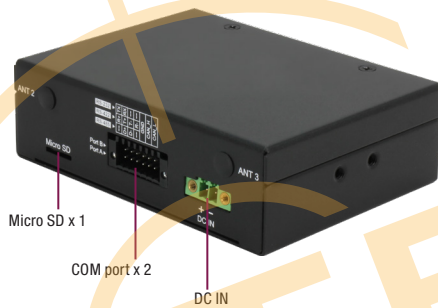
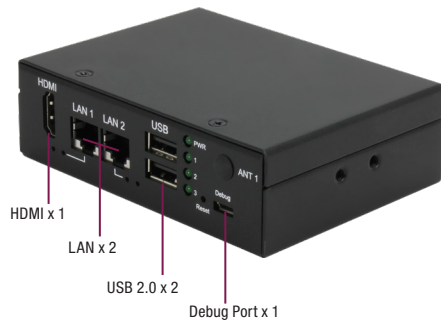




SRG-AM62

Standard RISC Gateway with TI AM62x Sitara™ Processors



Phoenix Connector



Features

- ARM TI AM62x, up to Quad 64-bit Arm® Cortex®-A53
- DDR4, up to 4 GB, eMMC 5.1 x 1
- HDMI 1.4b x 1
- GbE x 2
- USB 2.0 x 2
- Minicard x 2 (half x 1, full x 1)
- COM x 2, CAN x 2, TPM 2.0

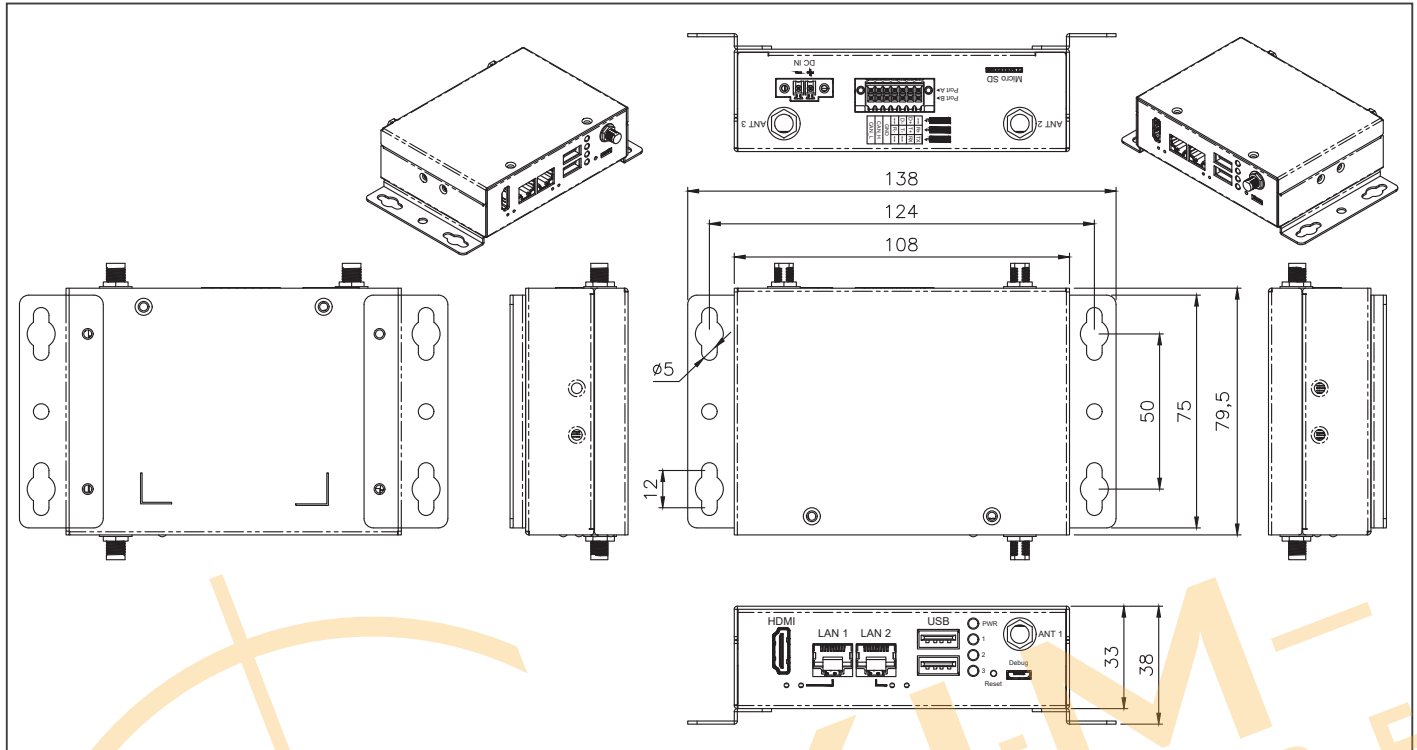


Specifications

System	
Processor	ARM TI AM62x, up to Quad 64-bit Arm® Cortex®-A53
Memory	Onboard DDR4 16 bit, up to 4 GB
Storage	eMMC 5.1 16 GB (Optional 32/64/128 GB) Micro SD Card slot x1
Real Time Clock	RTC x 1, with 3V CR2032H Lithium battery
Security	TPM 2.0 (optional)
Indicators	Programmable LED control x 3
Cellular	Full Size Mini Card x 1 (USB signal)
Wireless Lan	Half Size Mini Card x 1 (USB signal)
Operating System	Debian 12 (w/ GUI)
Support Protocol	—
I/O Interfaces	
Serial Port	RS-232/422/485 switchable x 2, Phoenix Connector
Ethernet	Gigabit Ethernet x 2, RJ-45 support IEEE 1588, TSN, integrated RGMII
Audio	Line Out x 1 (by request) USB 2.0 Gen1 x 2
USB	-Host/device by image option, default: host x 1 -Host x 1
ADC	—
DI/DO	—
CAN Bus	CAN-FD x 2 CH, Phoenix Connector
Display	HDMI 1.4b up to 1080p x 1
Power Connector	2 Pin 3.81mm Pitch Phoenix Connector
Debug Port	Micro USB x 1
Expansion Slot	Half Size Mini Card (USB2.0) x 1, support Wifi/BT module, etc Full Size Mini Card (USB2.0) x 1, support 4G module, etc Power control available by software
Other Interface	—
Power Supply	
Power Requirement	DC 9-36V (Optional: 12V)
Power Consumption	5.76W (Full Loading)
MTBF (Hours)	1,279,408 Hours
Environmental and Mechanical	
Dimension	4.25" x 3.13" x 1.29" (108mm x 79.5mm x 33mm)
Weight	0.72 lbs (0.33 kg)
Mount Options	Wall Mount, Din Rail (Optional)
Operation Temperature	-40 °F ~ 185 °F (-40 °C ~ 85 °C) (Option: 0°C ~ 60°C)
Storage Temperature	-40 °F ~ 185 °F (-40 °C ~ 85 °C)
Operation Humidity	0% ~ 90% relative humidity, non-condensing
Certification	CE/FCC Class A

Dimension

Unit: mm

**Packing List**

- SRG-AM62 x 1
- 2pin 3.81mm Power Terminal block w/lock AWG 28~14 x 1
- 14pin 2.54mm Phoenix plug in Connector/lock AWG 30~20 x 1

Optional Accessories

Part Number	Description
9741EG25G0	PCIe mini card. 4G LTE module kit. Global Band W/ SIM holder. W/Cable & antenna. Quectel. EG25-G
9651239A00	Mini card WiFi Kit.802.11ac/a/b/g/n. BT5.0. W/ Cable&Antenna.SparkLan.WPET-239ACN(BT)
9651PX8L00	AC/DC Adapter.100V-240V.12VDC.40W.3.34A (for sample order), w/packaging box
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
9651MX803	DIN rail kit.25mm
9651MX804	Wall mount kit. 75x27mm

Ordering Information

Part Number	CPU	NPU	Memory	Display	Storage	LAN	USB	COM	Expansion Slot	Power	Operating Temp	Audio	Others	OS
SRG-AM62-A10-0001	ARM TI AM6232, Dual-Core Cortex-A53 1.4GHz Processor	—	Onboard DDR4 2GB	—	eMMC 16GB, MicroSD x1	GbE x1	USB 2.0 x2	RS232(2-wire)/422/485 x2	Half Size Mini Card x1 Full Size Mini Card x1	+12V (Lockable terminal block)	-40°C ~ 85°C	—	CAN 2.0 FD x2	Debian 12
SRG-AM62-A10-0002	ARM TI AM6254, Quad-Core Cortex-A53 1.4GHz Processor	—	Onboard DDR4 2GB	HDMI x1	eMMC 16GB, MicroSD x1	GbE x2	USB 2.0 x2	RS232(2-wire)/422/485 x2	Half Size Mini Card x1 Full Size Mini Card x1	+9 ~ 36 V (Lockable terminal block)	-40°C ~ 85°C	—	TPM x1 CAN 2.0 FD x2	Debian 12

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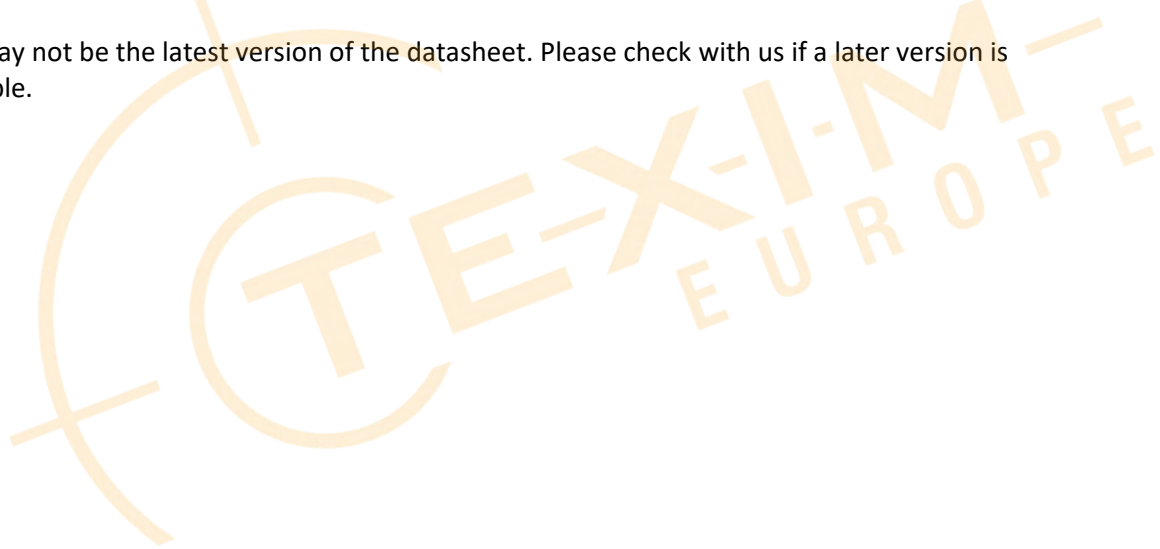
It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application.

Parameters provided in datasheets and / or specifications may vary in different applications and performance may vary over time.

All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts.

Please contact us if you have any questions about the contents of the datasheet.

This may not be the latest version of the datasheet. Please check with us if a later version is available.





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