

# General information

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[Technical Specification](#)

The AG-1629 is a quad-core, highly effective ARM-based compact-size multipurpose industrial computer with IoT gateway functionality. It is designed for edge computing. It supports Linux Debian. The computer has a built-in independent watchdog and a USB interface for debugging.

## Model Selection

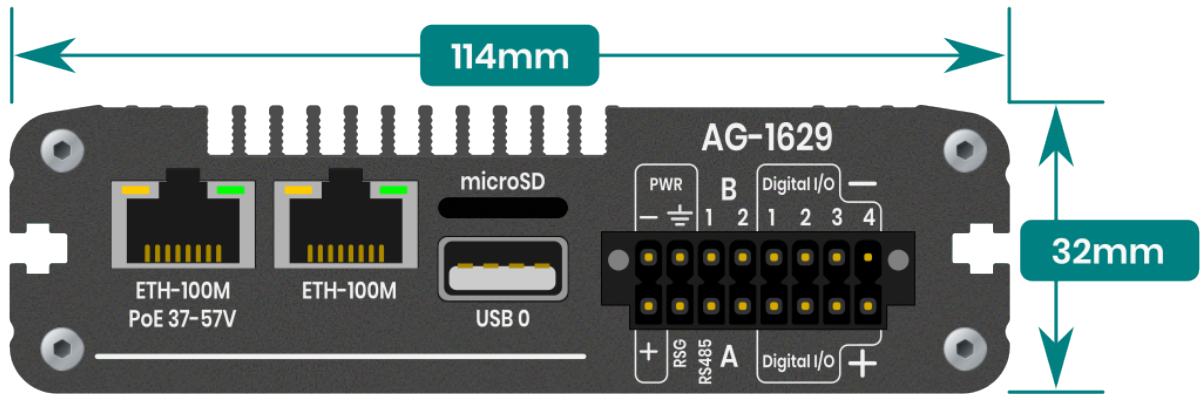
Atreyo manufactures several versions of the AG-1629 with respect to components and modules used in it.

AG-1629	Memory		Hardware Options					More information	
	eMMC	RAM	Cellular Network			GNSS	WiFi		BT
	GB	GB	GPRS	3G	4G LTE				
AG-1629	8	512							Without cellular
AG-1629-LT-EU	8	512	√		√	√			For India and EU
AG-1629-LT-EU-WL3	8	512	√		√	√	√		For India and EU
AG-1629-LT-GL	8	512	√	√	√	√			Global model
AG-1629-LT-GL-WL3	8	512	√	√	√	√	√		Global model
AG-1629-LT-EU-BT1	8	512	√		√	√		√	For India and EU
AG-1629-LT-GL-BT1	8	512	√	√	√	√		√	Global model

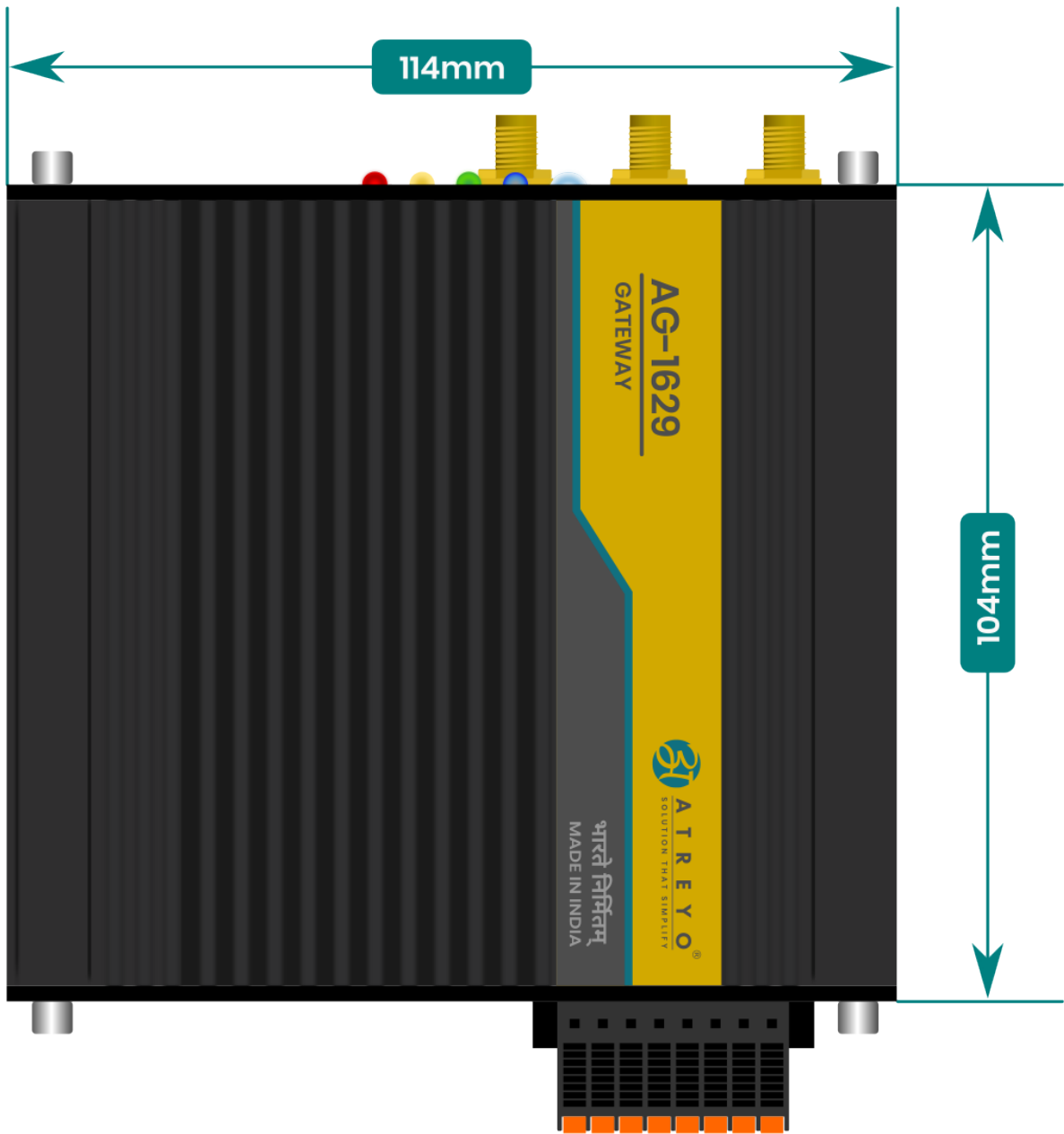
# Hardware

The gateway housing is made of anodized aluminum. There are heat sink fins on top. The gate heats up during operation and this is normal.

## Side dimensions



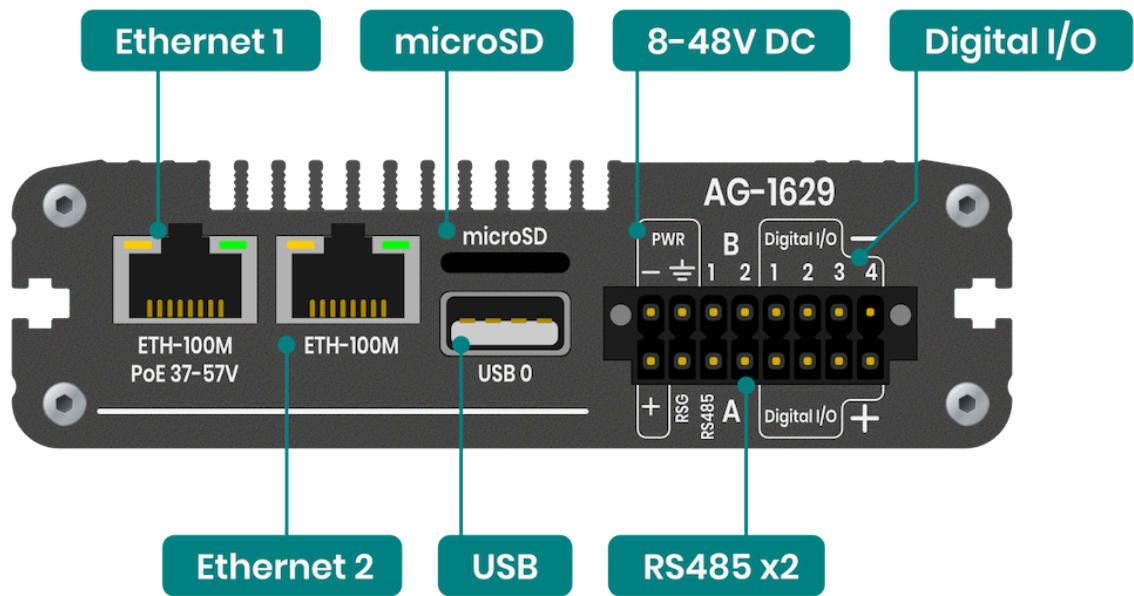
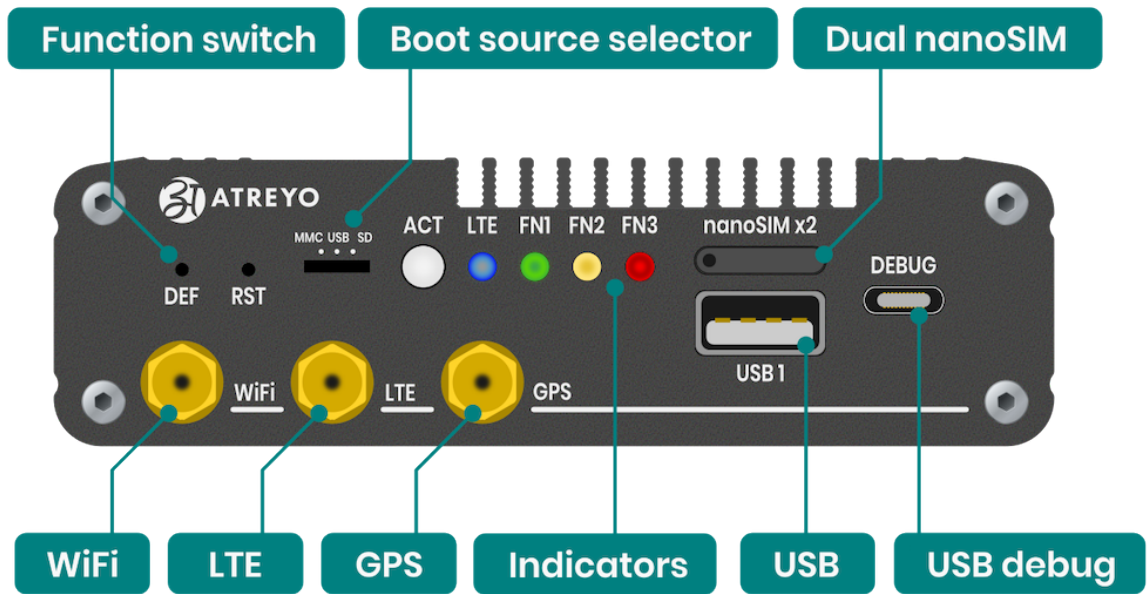
## Top dimensions



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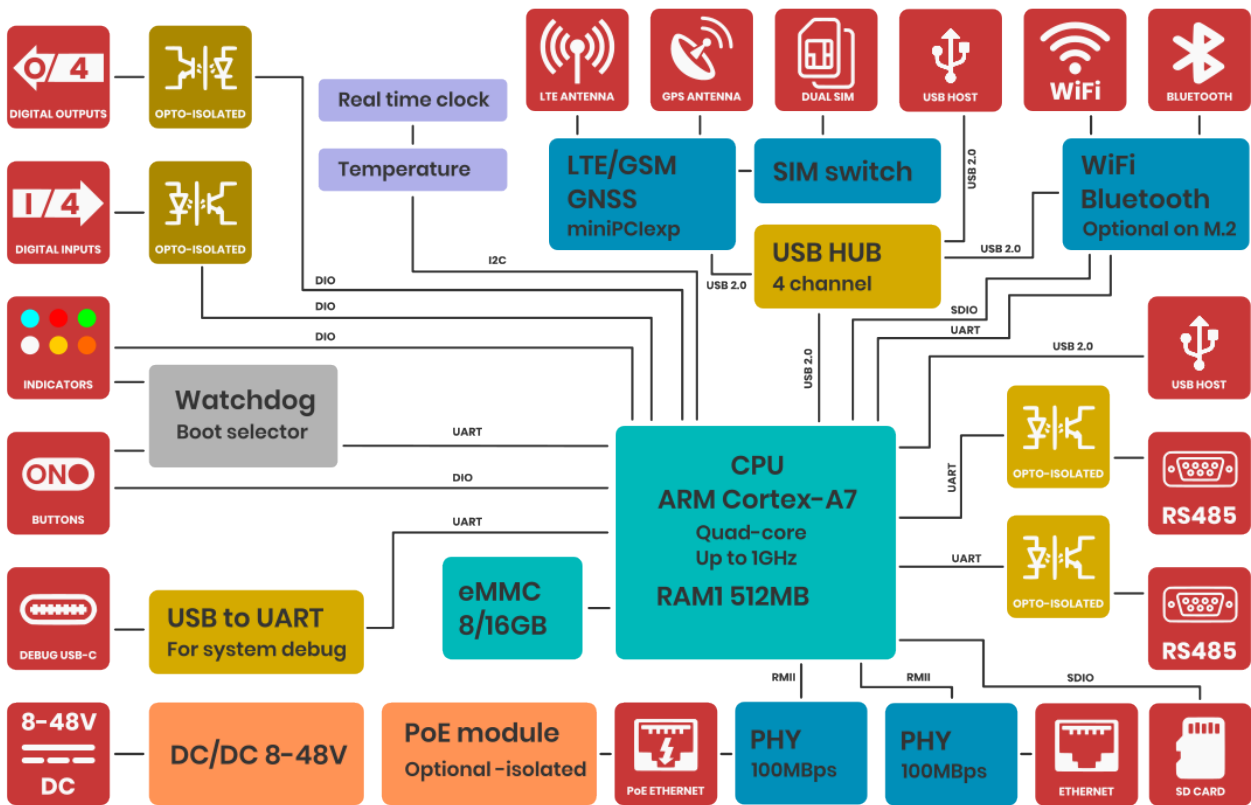
## Panel view

Below is a view of the top and bottom panels with the interfaces described.



## Block diagram

For a better understanding of how the computer works, we present a block diagram.



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