

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 of Linux Debian. The computer has a built-in independent watchdog and a USB interface for debugging.

Model Selection

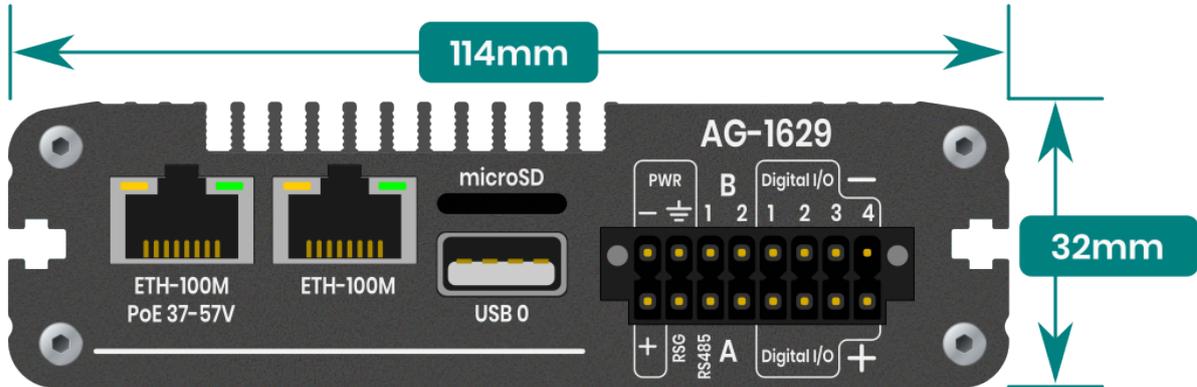
Atreyo manufactures several versions of the AG-1629 with respect to components and modules used in it.

AG-1629	Memory		Hardware Options							More information	
	eMMC	RAM	Cellular Network			GNSS	WiFi	Digital In	Digital Out		Supply
	GB	GB	GPRS	3G	4G LTE						
AG-1629	8	512						4	4	7-48	Without cellular
AG-1629-LT-EU	8	512	√		√	√		4	4	7-48	For India and EU
AG-1629-LT-EU-WL3	8	512	√		√	√	√	4	4	7-48	For India and EU
AG-1629-LT-GL	8	512	√	√	√	√		4	4	7-48	Global model
AG-1629-LT-GL-WL3	8	512	√	√	√	√	√	4	4	7-48	Global model

Hardware

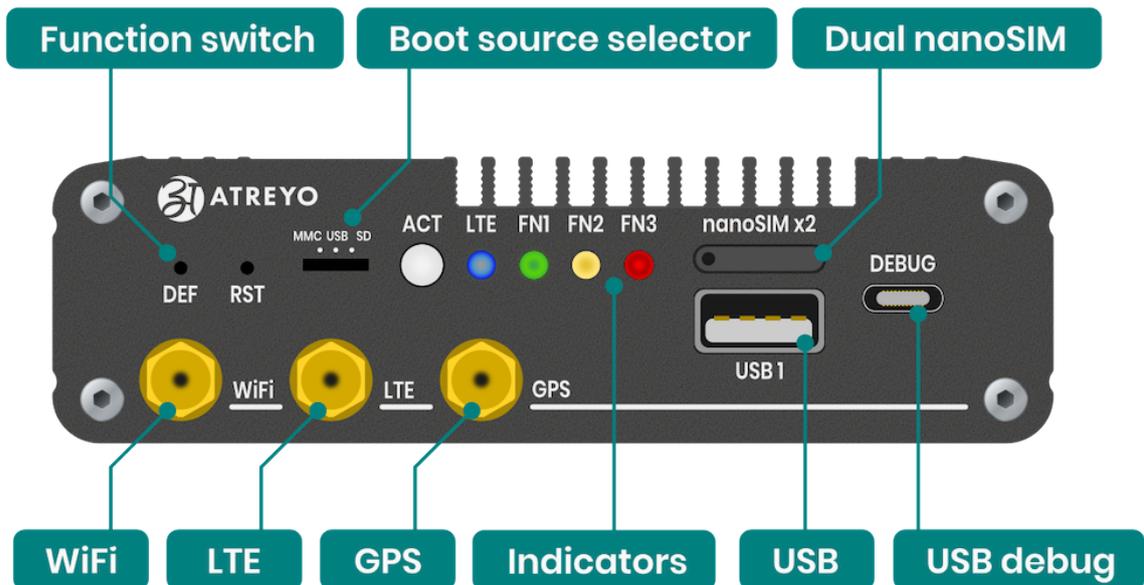
The gateway housing is made of anodized aluminum. There are heat sink fins on top. The gate heats up during operation and this is normal.

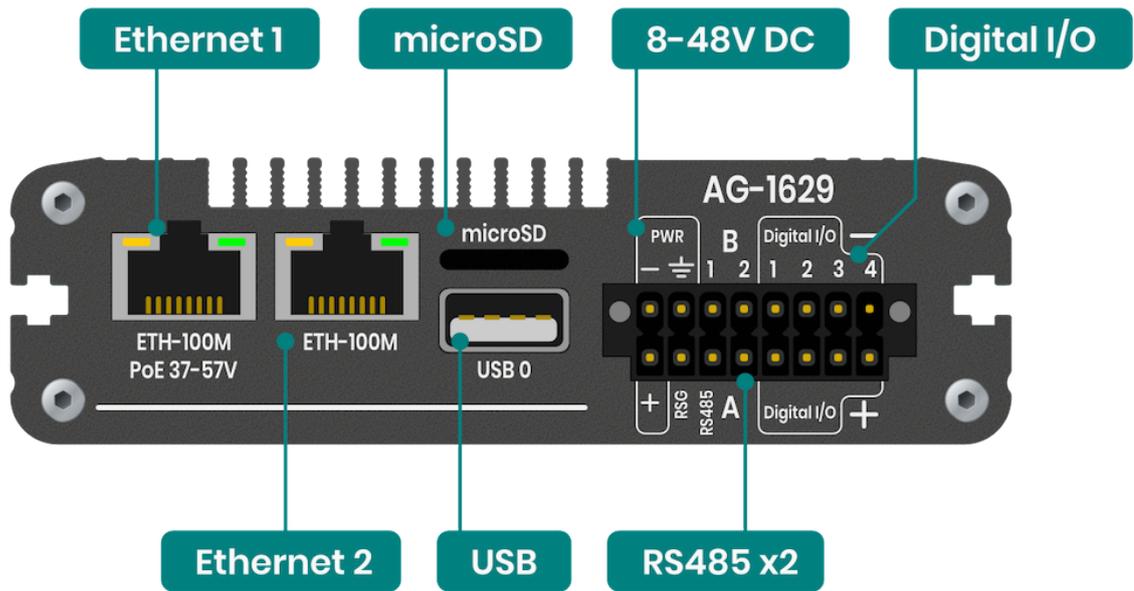
Side dimensions



Panel view

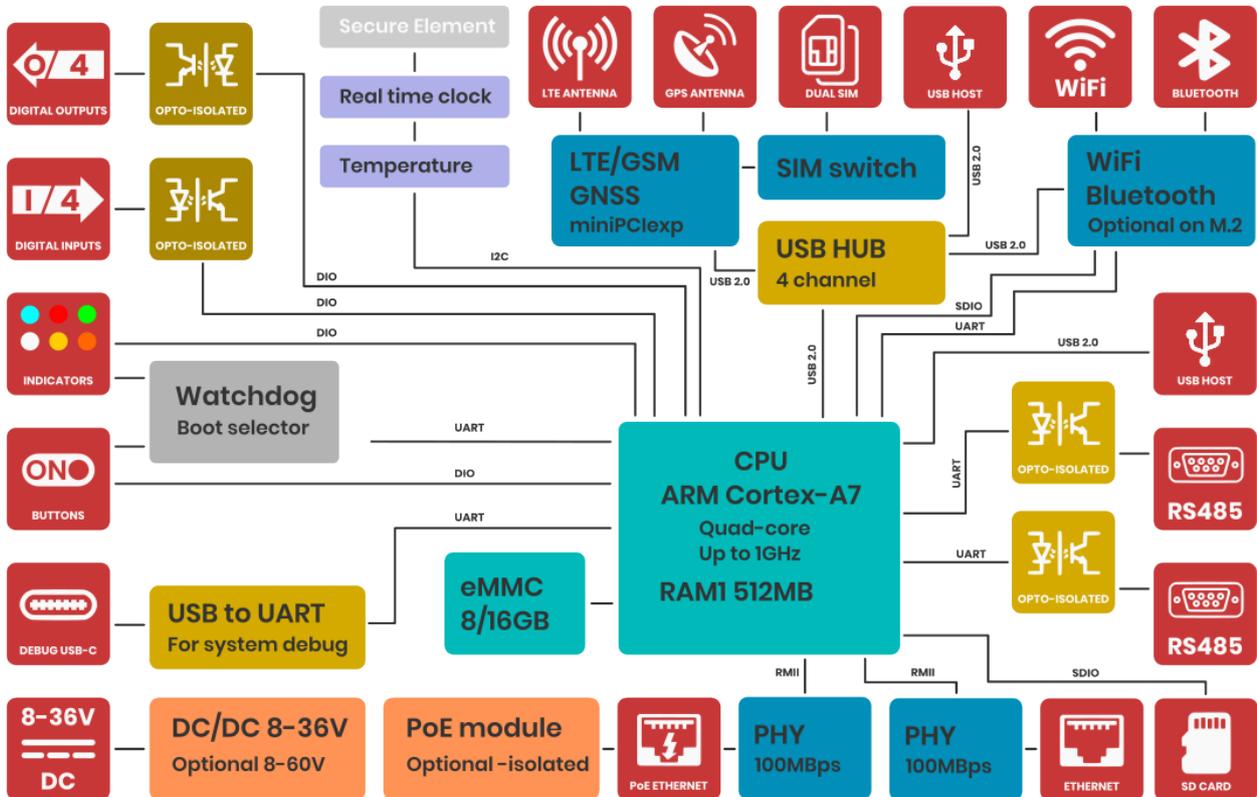
Below is a view of the top and bottom panels with the interfaces described.





Block diagram

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



Revision #11

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