SOCAN-AG4-JPN

Compact IoT Edge Server
with LTE/LTE-M, LoRa and a powerful GPU

An All-in-One IoT Solution with Advanced Technology in a Compact Form Factor

Our IoT Edge Server is a state-of-the-art edge computing device that seamlessly combines diverse functionalities with high reliability, all within a compact and efficient design.

Key Features

Compact and Lightweight Design: Perfect for installations in space-constrained environments.
Versatile Communication Options: Equipped with LTE/LTE-M and LoRa for adaptable IoT connectivity.
Highly Customizable: Built on a general-purpose Linux OS (Ubuntu), allowing for flexible and tailored system development.
Powered by NVIDIA Jetson: Harnesses powerful GPU computing to handle advanced edge computing tasks such as AI processing and image analysis.
Certified for the Japanese Market: Fully compliant with Japanese technical standards, with a proven track record of adoption by numerous businesses.
Extensive Connectivity Interfaces: Features USB, HDMI, and RS-485 to support a wide variety of use cases

Target Apps.

Digital Transformation (DX) for Buildings and Factories: Enhancing operational efficiency through IoT integration.
Visualization of Information via IoT Sensors: Collecting and analyzing data for real-time insights.
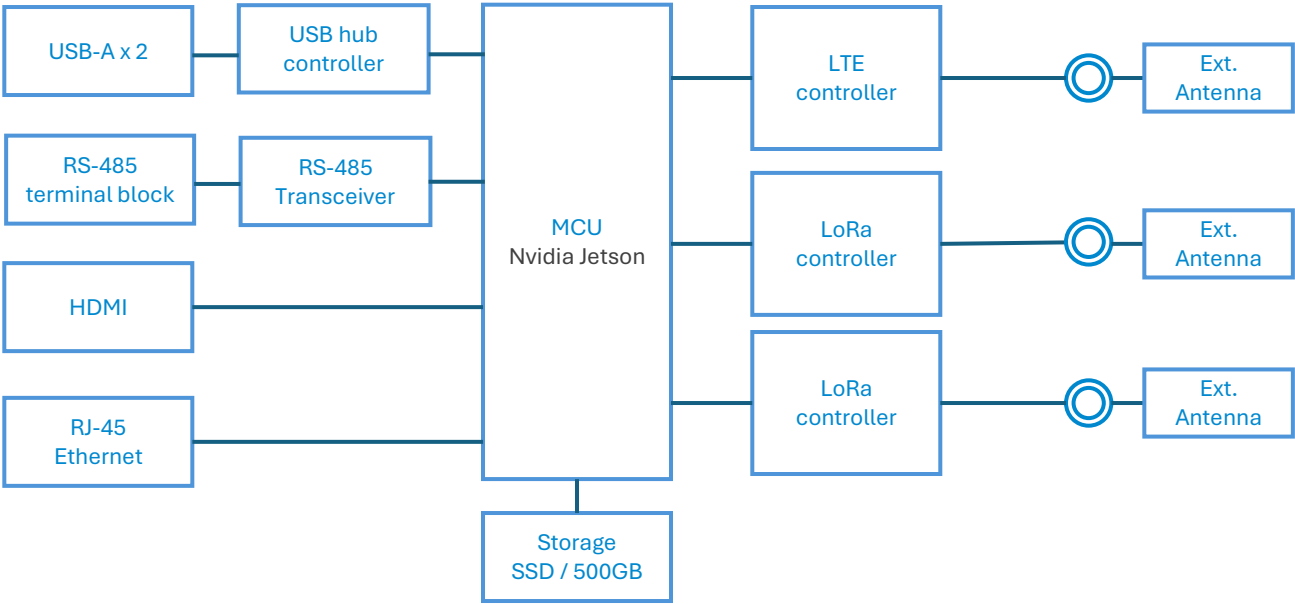Automated Control with IoT Devices: Enabling smart, efficient control systems.
Surveillance Systems: Supporting security cameras and monitoring solutions.
Edge Computing for IoT: Processing data locally for faster and more reliable operations.

Developed By

Social Area Networks Co.,Ltd.

For more information : contact@harmonix-it.co.jp

Block Diagram

Specification

Hardware	Power Supply	DC19V / 2.4 A	AC adapter included
	Dimension	154 x 127 x 49 [mm]	
	Weight	360 g	
	MCU	NVIDIA Jetson Nano	Quad-core ARM Cortex-A57 MPCore processor 4 GB 64-bit LPDDR4, 1600MHz 25.6 GB/s
	USB-A	USB3.0 Type A	
	HDMI	HDMI 2.0	
	RJ-45	Gigabit Ethernet	
	Storage	500GB SSD	
	Operating Temperature	0℃ - 40℃	
	External Antenna	SMA connector	Ext. Antenna included.
	SIM	SIM, eSIM	
Software	OS	Ubuntu 18.04LTS	

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