

# RZ Ecosystem Partner Solution

## Port GOAL Real-Time Communication



### Solution Summary

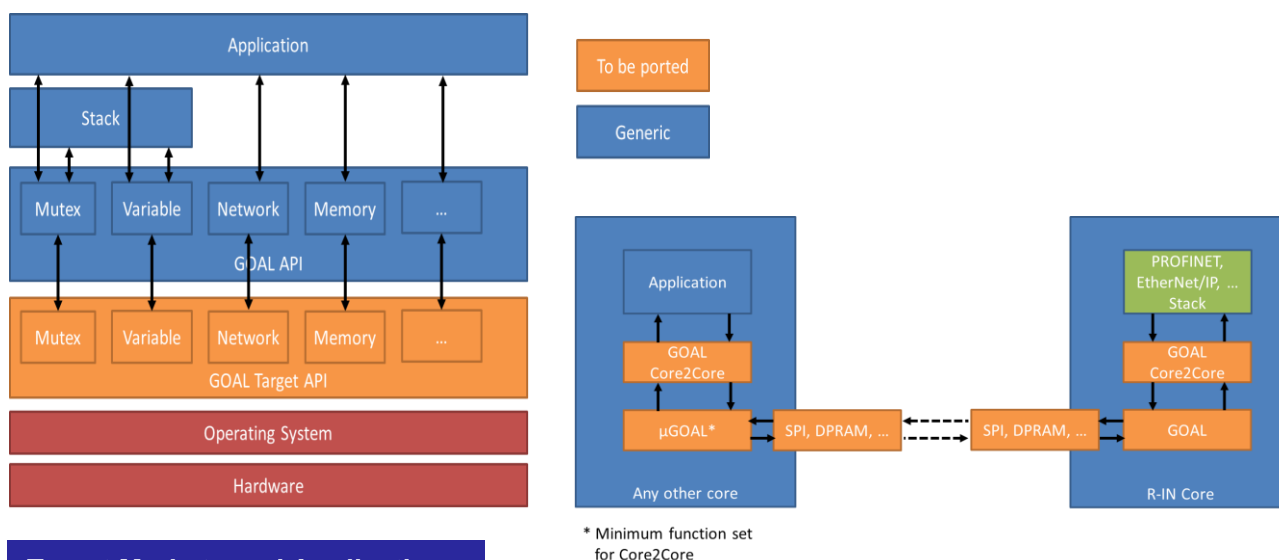
Renesas [RZ/N](#) and [RZ/T](#) Family microprocessors with port's GOAL technology delivers the perfect way to successfully integrate real-time communication – one hardware, one middleware, and many possibilities.

### Features/Benefits

- A communication middleware for industrial networking stations
- Powerful socket for protocols like PROFINET, EtherNet/IP, EtherCAT, Modbus/TCP, CC-Link IE Field Basic, OPC UA, POWERLINK, CC-Link IE TSN as well as CANopen.
- TSN supported - Connector to IoT / Industry 4.0
- Powerful services around networking: Timer, Memory Management, Flash Handling, IP-Address Management and many other services.
- Engineering Tools for Code Generation and Master Emulation.

### Diagrams/Graphics

GOAL can be evaluated quickly by using the Renesas's Solution Kit Board of RZ/N or RZ/T.



### Target Markets and Applications

- Industrial automation
- Food and Beverage
- Energy and Power
- Building Automation
- Factory Floor
- Industrial Controls



## Products

port offers Stacks, Engineering Tools, Middleware including OEM Hardware and Software Development, Pre-Certifications Tests and Integration Services.

- [PROFINET](#) (CC-A/B, CC-D(TSN))
- [EtherNet/IP](#)
- [EtherCAT](#)
- [CANopen](#)
- [Powerlink](#)
- [CC-LinkIE TSN](#)
- [CC-LinkIE Field Basic](#)
- [OPC UA](#)
- [GOAL Middleware](#)

## Company

*Port industrial automation*

Founded in 1990 – port is active ever since in the field of industrial communication. Port is providing Turn-Key solutions for Industrial Communication – Protocol Stacks and in GOAL implemented Accessories result in a powerful Device Kit with Multi Protocol Support. The Device Kit approach delivers not only one building block, a complete system is available, including complete examples, representing a compliant device.

***The application decides what you need - port offers the right solution for your need***  
port is a market leading company in the field of protocol libraries. stacks, drivers and tools for industrial real time communication. Since 1990 our Know-How accelerates your Time-To-Market.

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