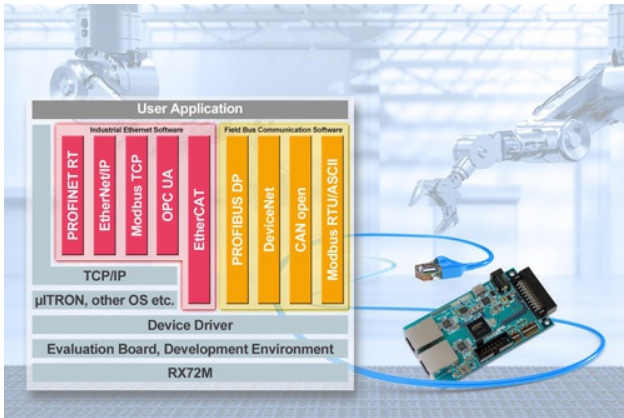


### Reducing development time of industrial slave equipment

Renesas announced the RX72M industrial network solution to accelerate the development of industrial slave equipment using the RX72M group of 32-bit industrial Ethernet micro-controllers. The software supports CANopen and Devicenet.



Industrial network solution with major sample communication protocols (Source: Renesas)

The RX72M solution includes an evaluation board, an operating system, middleware, and a sample software that supports approximately 70 percent of the communications protocols used in industrial network applications. This enables users to launch slave equipment development, such as motor control blocks for compact industrial robots, PLC (programmable logic controller) devices, and remote I/O systems. The sample software includes CANopen and Devicenet as fieldbus communication software.

The company has confirmed conformance testing for the three major protocols – Ethercat, Profinet RT, and Ethernet/IP. This allows developers to reduce the overall development time – including development, evaluation, and verification steps – by as much as six months, accelerating their time to market.

The new solution will be showcased in Renesas Electronics' booth at the CIIF (China International Industry Fair) in Shanghai, China, from September 17 to 21, 2019 (booth number 6.1, E202).

"We expect the industrial equipment market connecting to industrial networks to grow at an approximately 10 percent CAGR over the next three years, which will elevate the need for slave equipment that can be developed rapidly and that supports a wide variety of industrial networks to become a critical issue," said Daryl Khoo, Vice President of Marketing, IoT Platform Business Division at Renesas. "Designed for multi-protocol support, the new RX72M Industrial Network Solution will accelerate our customers' global product deployment efforts."

Industrial network protocols differ extensively between countries and regions, and industrial network equipment deploying globally must support a wide range of protocols. The RX72M solution includes major protocols used in each region, allowing users to evaluate industrial network connectivity equipment immediately. Customers can focus on their own application development efforts, while strengthening their competitive edge for global product deployments.

With the RX72M solution, the company provides sample software and will collaborate with partners providing sales and support mass production protocols to support customers' transition from development to mass production.

The product will be available for customers in Japan by December 2019 with OS, middleware, industrial networks support from Renesas' partner companies. Global access will be available by October 2020.

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