

Breaking the RISC-V MCUs ecosystem barriers

The ecosystem is key

Renesas is engaged in developing the RISC-V ecosystem

- Provide free of charge IDE, compiler, configuration/debug/programming tools.
- Partner with market-leading suppliers of commercial debuggers, production programmers, software, IDEs.
- Continue expanding partner and solution network (hardware platforms, software stacks etc.)

Ease the migration

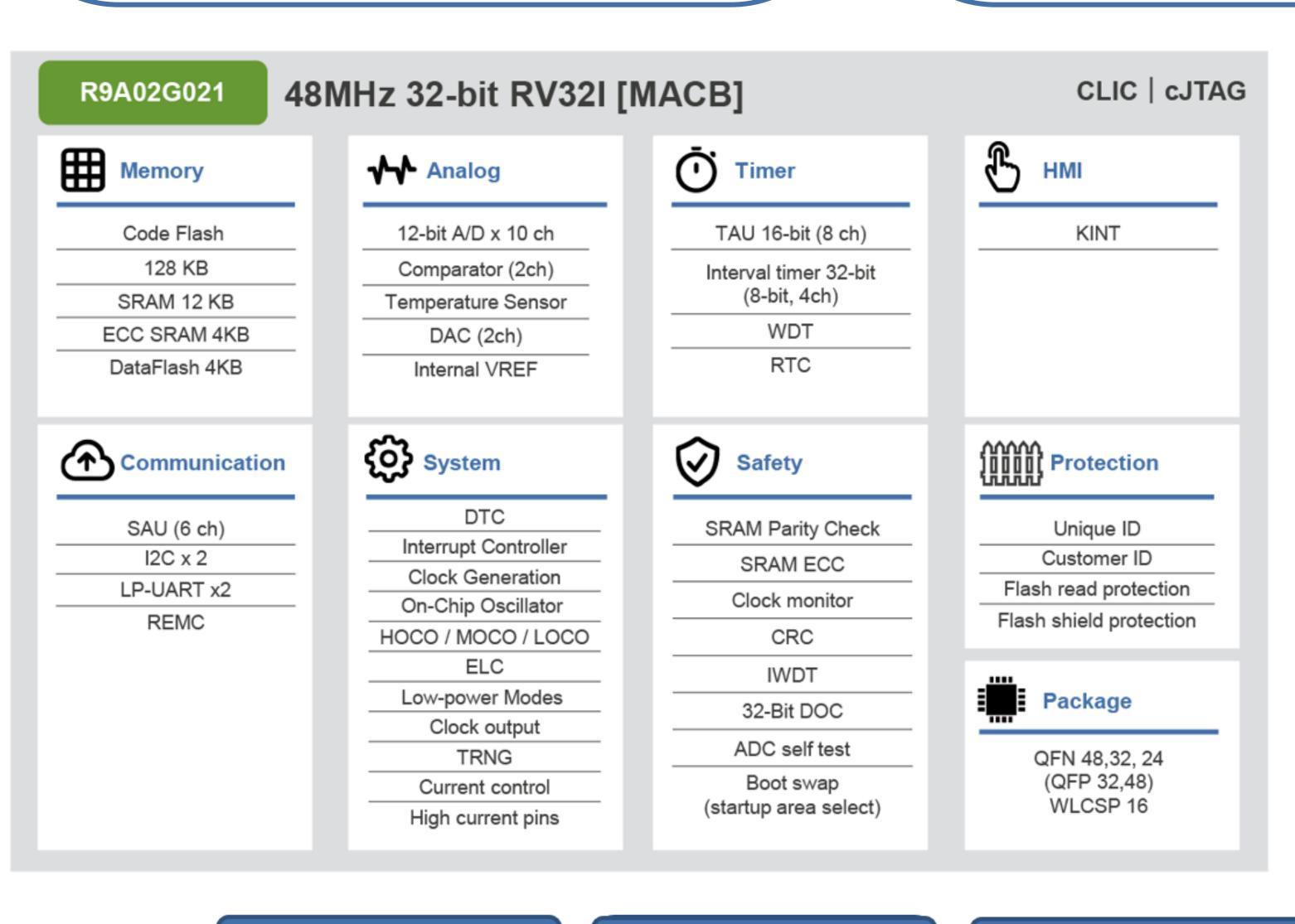
Crush adoption barriers!

- World-wide availability of low-cost kits, MCU samples, application notes, training and support.
- Configuration and driver generation tool abstracts architectural details. Users focus on the application.
- Establish RISC-V as open platform for nextgeneration non-proprietary solutions.

Reliable sourcing

Renesas is a renowned supplier

- Renesas leads the market as innovative company, ready for the RISC-V momentum.
- Demonstrates RISC-V commercial microcontroller products with excellent quality AND support.
- Expand the portfolio, migrate 8/16-bit mature designs to 32-bit higher performance, at low-cost.





- 110-nm low power, low leakage process
- Wide operating temperature range:
 Ta = -40°C to 125°C
- Wide Operating Voltage: 1.6V 5V

Highlights:

- Renesas own CPU design
- High performance core (3.88 CM/MHz*)
- Rich set of analog and digital interfaces
- Small packages: QFN 48/32/24, WLCSP16
- Extensive safety and protection features
- Fast startup

