



RZ Ecosystem Partner Solution

TQ-Systems-Embedded Module

TQMaRZG2



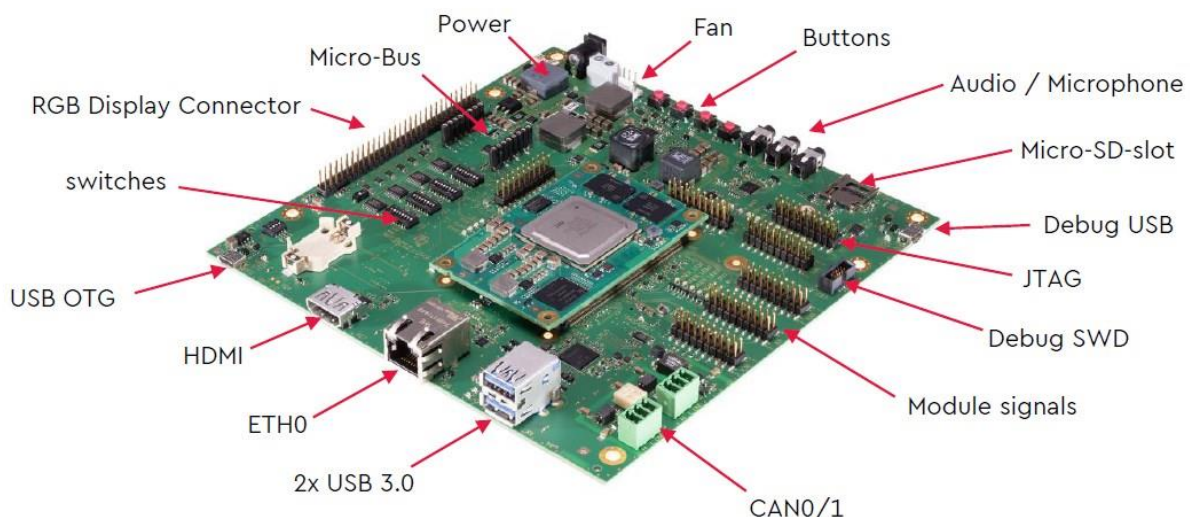
Solution Summary

The embedded module TQMaRZG2x is based on the [RZ/G2 processor](#), an ARM® Cortex®-A53/A57 processor from Renesas. The integrated high-performance graphics controller supports applications with high display requirements. Full access to all signal pins guarantees flexible applications and cost-effective project development.

Features/Benefits

- Graphic with 4K Support/Quad Core
- LPDDR4 with ECC Support
- Highspeed communication via 1x Gbit Ethernet, 2x PCIe and 1x USB 3.0 interface
- 2x CAN-FD
- Integrated security functions
- Low power consumption (typ. 6 W)

Graphics



Target Markets and Applications

- Medical
 - HMI for Diagnostic Device
- Transportation
 - Access Control Systems
- Robotics
 - Camera System Control
- POI/POS
 - Cash Register Systems

[TQ | TQMaRZG2x \(tq-group.com\)](http://TQ | TQMaRZG2x (tq-group.com))



Board View of SOM Board TQMaRZG2x



TQMaRZG2N/M

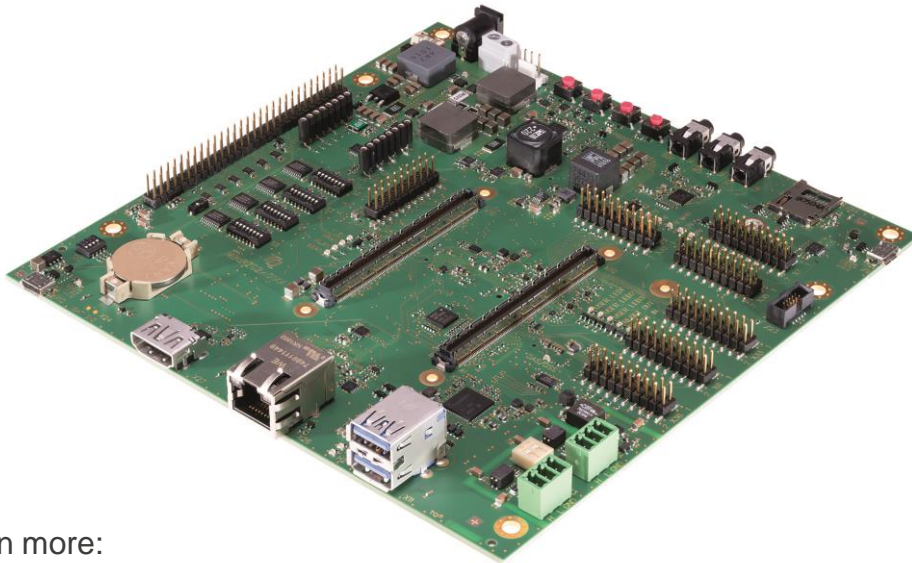


TQMaRZG2H

Learn more:

<https://www.tq-group.com/en/products/tq-embedded/arm-architecture/tqmarzg2x/>

Board View of Evaluation Kit MBaRZG2x



Learn more:

<https://www.tq-group.com/en/products/tq-embedded/arm-architecture/stkarzg2x/>

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