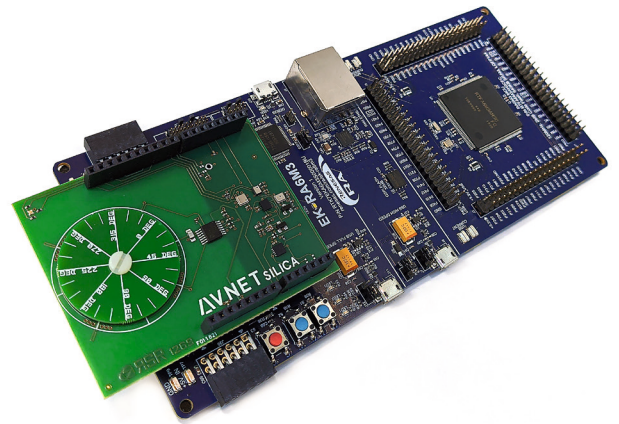


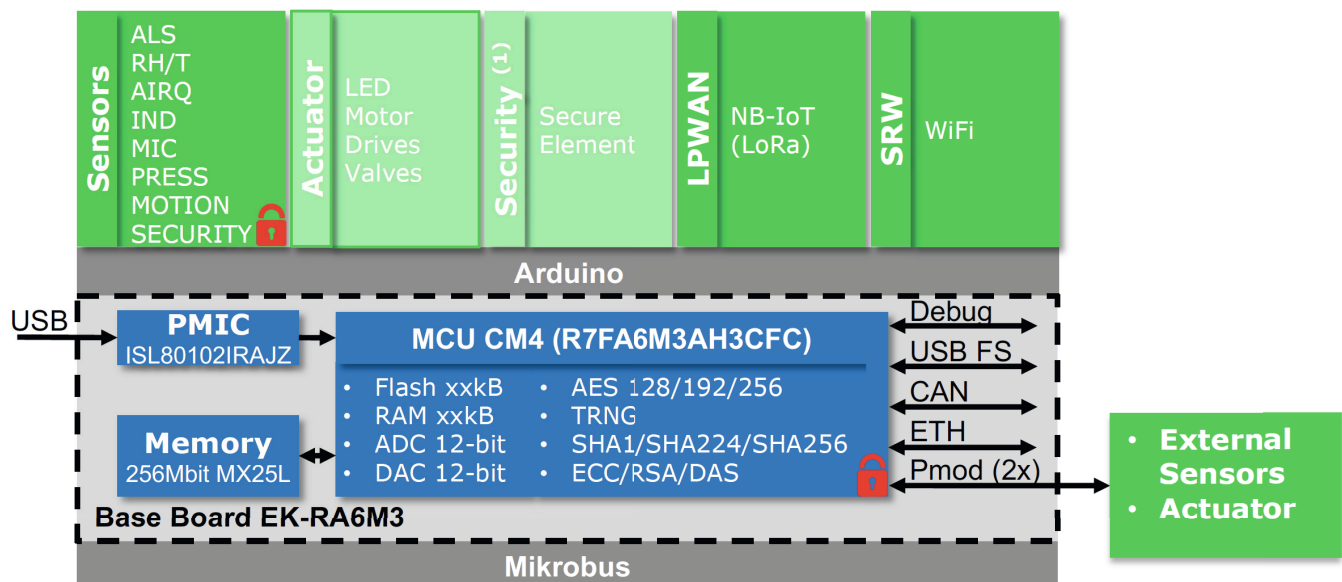
# HoriZone RA Evaluation Kit

AVNET<sup>®</sup> SILICA

- Cloud-ready Renesas RA EK-RA6M3 Board with multi-sensor Arduino Shield and Secure Element
- Powered by Renesas RA MCU Family for secure IOT endpoints and edge devices
- Delivers industry-leading security features for Resource Constrained Embedded Systems (RCES) connected to Microsoft<sup>®</sup> Azure Cloud
- Arduino Multisensor Shield (Ambient Light, RH/T, Air Quality, Pressure, Microphone, Motion, Inductive)
- The HoriZone kit is a fully integrated solution to bring sensor data into the Microsoft<sup>®</sup> Azure Cloud



It is a highly scalable solution providing a seamless path from proof-of-concept to project and to deployment, including all the required building blocks.



## PARTNERS

RENESAS

Microsoft Azure

## CONTENT

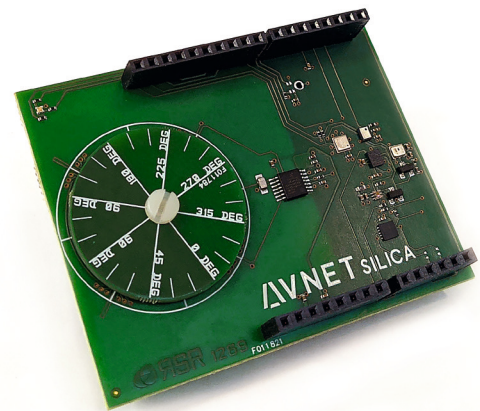
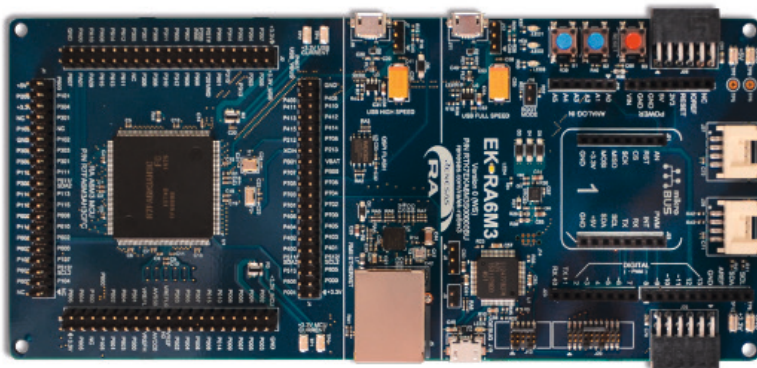
- EK-RA6M3 Board
- Multisensor Shield AVSENSOR-REN-SHIELD-A:
  - **Power Supply** ISL 88014 with voltage supervision and watchdog
  - **Secure Element** INF Trust-M
  - **Sensors**
    - Humidity
    - Temperature
    - Ambient Light
    - Air Quality
    - Barometric Air Pressure
    - Microphone
    - 3D Digital Accelerometer
    - 3D Digital Gyroscope
    - Inductive Position

## APPLICATION AREAS

- IoT edge device with wired / wireless connectivity that require secure communications
- HMI applications with touch and /or LCD (capacitive touch interface on all Renesas RA)
- Broad range of different markets: home & building automation, industrial automation, healthcare, household appliances etc. requiring a wide and scalable line-up
- Sensor applications
- High-level security with tamper resistance and /or TrustZone-M

## ORDERING INFORMATION

HORIZONE-RENRA-ETH



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