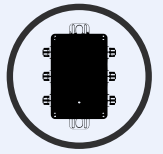# Tribok: The AIoT-Multi-Tool

How Coderitter technology enables predictive maintenance.

CONFIGURABLE INDUSTRIAL AIOT

The smart sensor **Tribok** is an IoT device for recording and processing sensor signals. It offers five sensor slots for a wide range of digital and analog sensor types. The processing unit is ready to fulfill various tasks from simple data forwarding to more sophisticated AI algorithms.

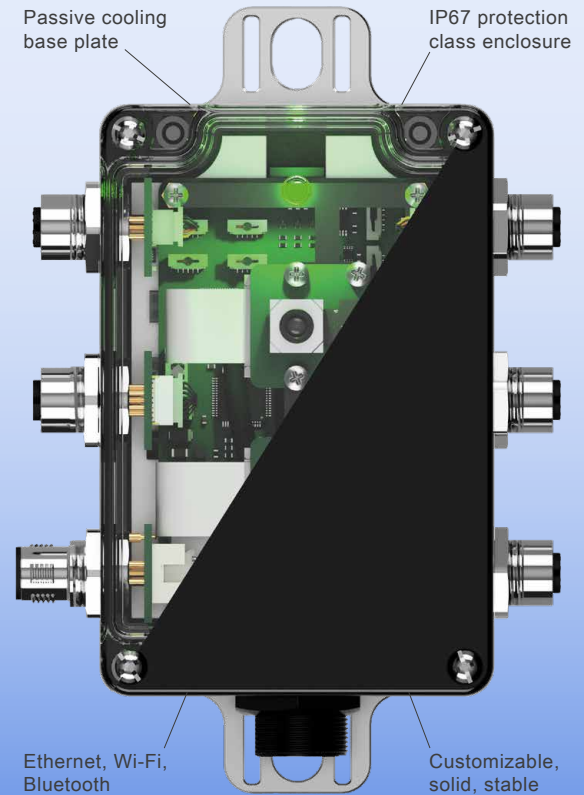- Embedded edge AI
- Simple & non-invasive installation
- No control cabinet needed
- Configurable for many applications
- Highly scalable

Passive cooling base plate

IP67 protection class enclosure

Ethernet, Wi-Fi, Bluetooth

Customizable, solid, stable

WIDE-RANGING APPLICATIONS

Discover the wide-ranging applications of the Tribok System, which offers customized solutions for various industrial requirements and increases operational efficiency.

Retrofitting

Field Monitoring

High Performance Monitoring
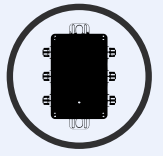
Rapid Prototyping

Product Creation

SECTORS

- Farming & Agriculture
- Energy & Supply
- Environmental Protection
- Smart Cities
- Logistics & Transportation
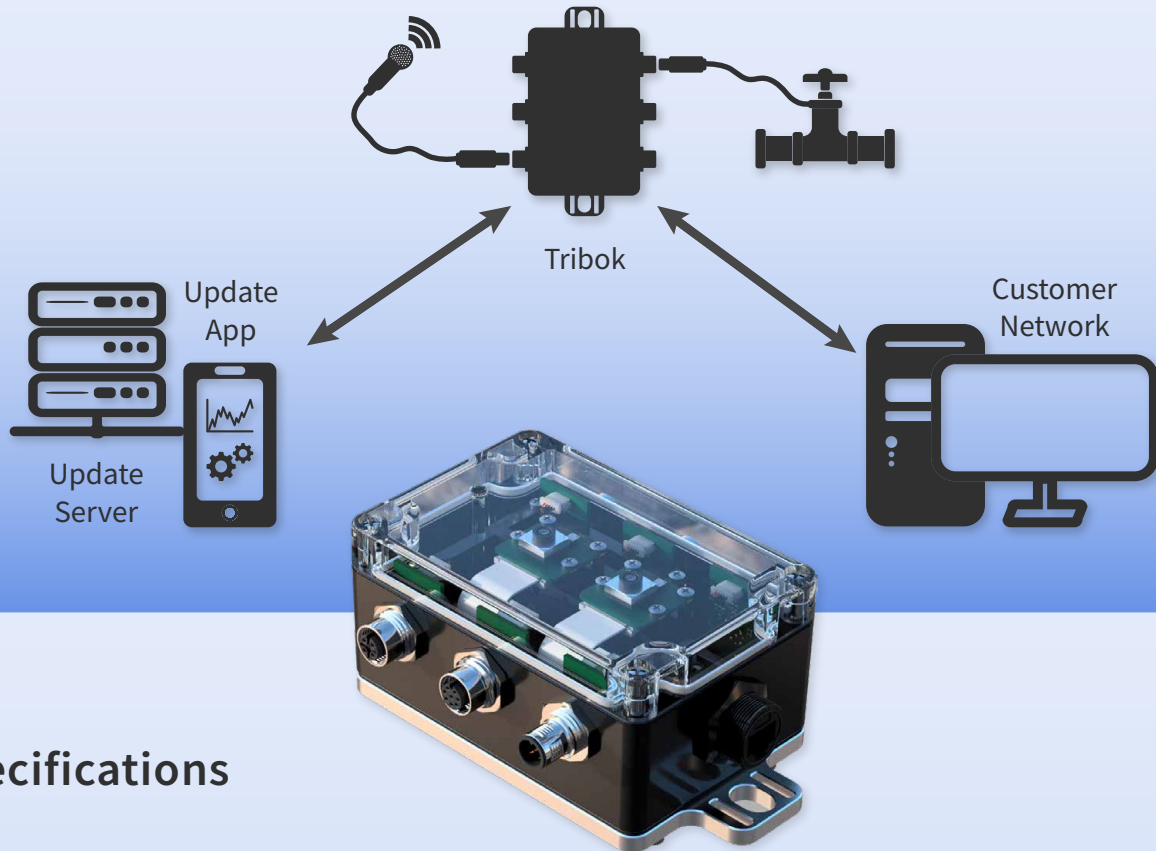- Facility Management
- Industry & Manufacturing

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Triboks Infrastructrue

IO-Link + Gateway: Two devices turned into one.

Update App

Update Server

Tribok

Customer Network

Specifications

◎ **IP67** dust and water protection

◎ Configurable slots for **up to 5 digital or analog sensors**
  → Digital interfaces: I2C, I2S, SPI
  → Analog: 4-20mA, ±5V, ±10V, IEPE (Up to 200ksps, 16 Bit)

◎ Connectivity:
  → Ethernet, WiFi, Bluetooth, UART
  → Extensible: RS232, ModBus, LoRaWAN, NB-IoT, LTE, …

◎ Power input 24V DC (8-30V) / 220V AC power adapter

◎ Broadcom BCM2711, **Quad core Cortex-A72** (ARM v8) **64-bit SoC @ 1.8GHz**

◎ Customizable screw mounting or cable tie fixture

◎ **Fan-less cooling**

AVAILABLE SERVICES

• White-labeling   • Operations

• Hardware Customization   • Use Case Realization   • Use Case Series Production

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