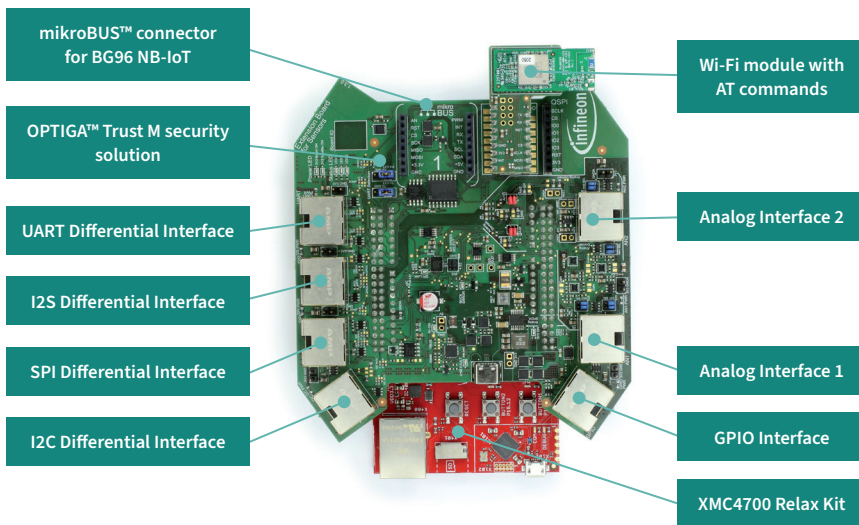


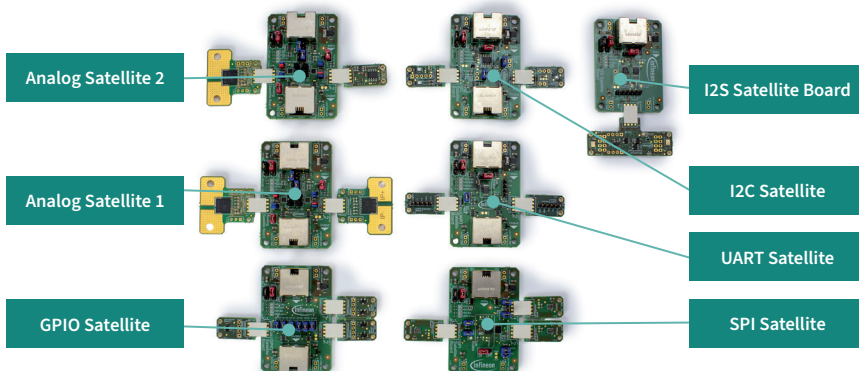
XENSIV™ Predictive Maintenance Evaluation Kit

The XENSIV™ Predictive Maintenance Evaluation Kit comes with all necessary hardware and software for evaluation's start

The Extension Board for sensors provides robust differential interfaces for long-range wired data acquisition ...



... and in combination with the Satellite Boards and the respective sensors a broad set of sensor data can be collected.



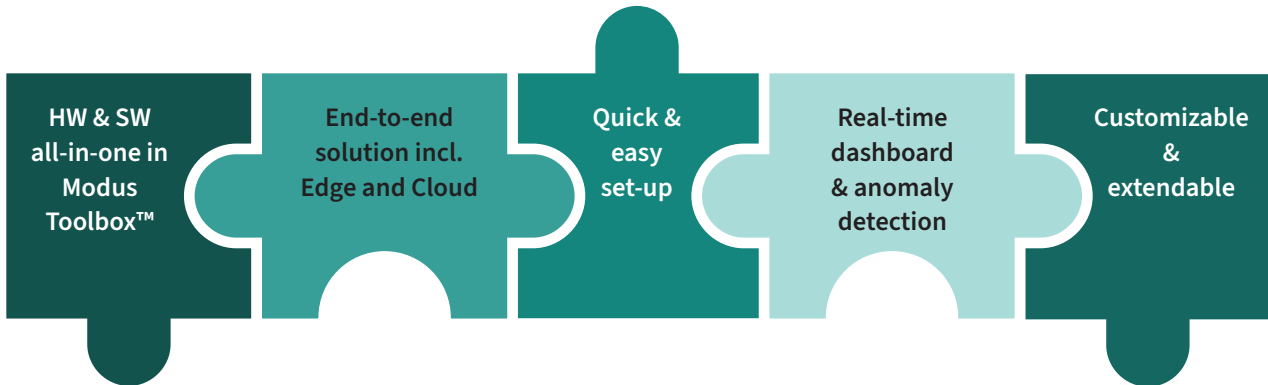
Key elements








- 1 XMC4700 Kit as Mainboard
 - 1 Extension Board for sensors
 - 7 Satellite Boards
 - 13 Satellite sensor boards including the following products (hardware and software-based) to ease the system solution evaluation
- Microcontroller unit**
- XMC™ industrial microcontroller XMC4700 for motor control or for any other industrial automation use cases
- Embedded security**
- OPTIGA™ Trust M security solution allowing certificate-based authentication and cloud enrollment
- Sensors**
- XENSIV™ Pressure sensor DPS368 for air-flow monitoring
 - XENSIV™ MEMS microphone IM69D128SV01 for sound anomaly detection
 - XENSIV™ Magnetic current sensor TLI4971 for current monitoring
 - XENSIV™ 3D magnetic sensor TLI493D-W2BW for position sensing
 - XENSIV™ TLE4997-E2/-A8 Linear Hall sensor for linear vibration measurement
 - XENSIV™ Hall sensors (TLE4961-1K & TLE4961-3K; TLE4964-4M & TLE4913) for open and closed lead detection
 - XENSIV™ Double Hall sensor TLI4966G for speed and direction measurement
- AI needed supplies incl. power supply, cables and connectors**



The XENSIV™ Predictive Maintenance Evaluation Kit allows the evaluation of several use cases at fans, drives and motors.

Here are its benefits for your evaluation phase at a glance:



-  Vibration and position monitoring with 3D magnetic sensor
-  Opened and closed lid detection with hall sensors
-  Air flow monitoring with pressure sensor
-  Current measurements with magnetic current sensor
-  Noise monitoring and sound anomaly detection with MEMS microphone
-  Linear vibration measurement with linear hall sensor
-  Speed and direction measurement with double hall sensor

For more information visit our [application page](#) or the [board page](#)

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