

THINK BIG start small

Smart Sensor System SZ6X

Our sensor system SZ6X simplifies the implementation of industrial IoT applications and enables new use cases for the continuous monitoring of machines, plants and buildings.

The system is equipped with a triaxial accelerometer and a temperature sensor. Furthermore, six analog inputs are available for connecting external signals. The user interaction is done over the embedded Bluetooth interface. The high-speed sampled raw data can be stored on the internal microSD card and transferred to the PC for offline analysis via USB. Due to the integrated rechargeable battery, the system is especially suitable for mobile applications.



- ✓ OEM version available
- ✓ customizable
- ✓ microSD slot for high-speed data recording
- ✓ rechargeable battery and external power supply
- ✓ onboard sensors
- ✓ external analog inputs
- ✓ threshold monitoring (e.g. shocks & vibrations)
- ✓ speed monitoring (e.g. fans and blasts)
- ✓ frequency monitoring (e.g. motors and pumps)
- ✓ motion and position detection (e.g. free fall)
- ✓ custom applications

Technical Data

Dimension

70 x 50 mm (pcb footprint)

Mounting Type

screwing (4 x M4)

Operating Temperature

standard: -20..+60 °C, extended*: -40..+85 °C

Supply Voltage

embedded rechargeable battery or 5..24 V DC external

Connectivity

Bluetooth, microSD, expandable to cellular (2G/3G/4G)

Embedded Sensors

3 x acceleration MEMS, 1 x acceleration Piezo
1 x temperature

* optional or in development