

Smart maintenance of your critical assets starts with collecting the right sensor data.

With SENSPIDER, our edge computing solution, you can collect various types of sensor data simultaneously and build AI-powered Condition-based Maintenance (CBM) preventing sudden machine outage and downtime.

## SENSPIDER (SSP1000)

Includes one high-speed vibration sensor interface card (SSPC1310)

Expansion card slots: 3

Max number of channels: 8

Hardware	Specifications
CPU	ARM Cortex-A9 800MHz Dual Core
Memory	3GB
Storage	13GB



### High-speed vibration sensor interface card (SSPC1310)

Supported sensors: ICP-compatible vibration sensors

Number of channels: 2

### All-purpose sensor interface card (SSPC1320)

Supported sensors: current/voltage sensors

Number of channels: 2

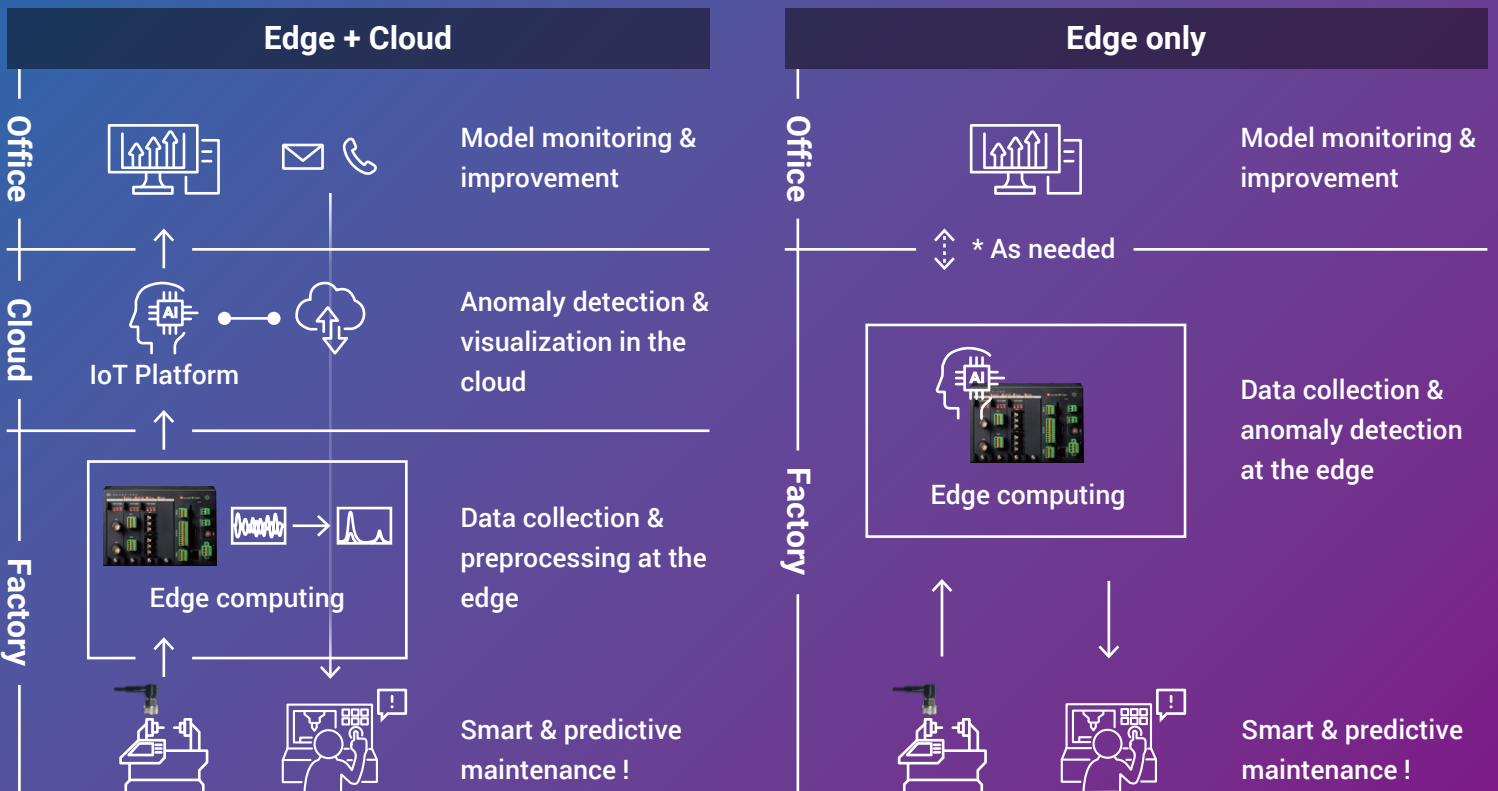
### Temperature sensor interface card (SSPC1330)

Supported sensors: thermocouple (Type J or K), RTD or thermistor

Number of channels: 2

## Deploying a CBM system

CBM systems can be built as either "edge + cloud" or "edge only" configuration. SENSPIDER supports both options.



# No-code data preprocessing with Sigma.

By using signal analysis tool Sigma, you can easily analyze the data collected on SENSPIDER and define custom features and thresholds through intuitive UI. In addition to using features like RMS and Mean, you can also create user-defined features by simply selecting feature(s) from drag-and-drop options. Once you are done, Sigma's integration with SENSPIDER lets you deploy the policy directly to SENSPIDER as preprocessing codes. This is the best way to quickly prototype a CBM system with no coding skills required.

Need to run complex data preprocessing or deploy AI models on the edge? You can also develop your own edge application using our Python SDK and deploy it on SENSPIDER.

