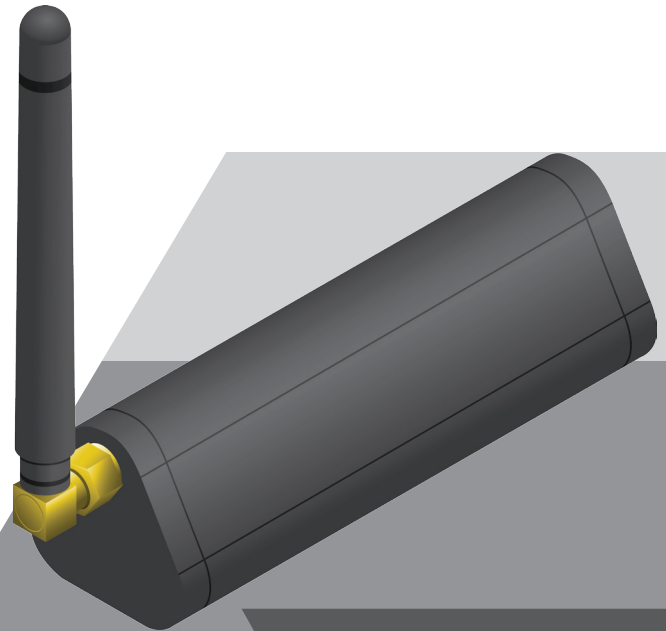


packetVIBRATION

The **packetVIBRATION** is an IoT device that is used to detect irregular vibrations on a certain object.

Each device will be calibrated depending on the application it would be used. When irregularities are detected, the device will transmit data to a central location via LoRaWAN®. Each device can be used for a duration of at least 3 years.



Features

- Long battery life
- Wireless
- Compact size allows it to be placed almost anywhere
- LoRaWAN® compatible
- Optimized as IOT end-node

Applications

- Electrical Motor Vibration Monitoring
- Vault Protection

Technical Specification

LoRa

Device	S76S
Integrated MCU	STM32L073xZ
Integrated RF IC	SX1276
Frequency	868Mhz
Antenna	Internal
Range	Up to 15k
RF Power	+25dBm

Feedback Generator/Buttons

Electricals

Power Source	Battery
Battery Voltage	3.6V
Battery Type	ER18505 Lithium-Thionyl Chloride A-type
Battery Capacity	4 Ah
Battery Discharge Voltage	2.0 V
Operating Current	300 uA

Physical

Operating Temperature	-40°C to +85°C
Storage Temperature	-40°C to +105°C
Protection Grade	IP65
Dimension	LoRa Device: 95 x 32 x 30 mm
Setup	Can be: Adhesive, Surface-mounted