**Datalogging with
Page EEPROM family**

What is datalogging?

Collecting and recording data

Gaz sensor   EEPROM

MCU

Environment conditions in real time

- Cold chain process
- Shock monitoring
- Light sensor

Physical measurement

Asset tracking

- Livestock monitoring
- Fleet management
- Package with tracking

Geolocation

Applications require more and more data to monitor

High cycling endurance

Up to 500K cycles per page

- On full temperature range (-40 to +105°C)
- X5 more cycling compared to Serial NOR Flash products
- 1 billion cumulated cycles tested and qualified

Application examples:

- Fall detection with accelerometer tracker
- Continuous updates on heart rate
- Audition improvement with a sound amplifier

Enable high monitoring rate

High retention

10 years of retention after max cycling

- TA = 40 °C
- Data integrity improved by ECC
- 100 years for uncycled data

Application examples

- Medical follow-ups, health sensors
- Sensitive environment monitoring

Data integrity
10 YEARS
COMMITMENT

Enable data integrity for intensive use

Byte flexibility

Page Write instruction

- Modify 1 to 512 bytes in one single instruction
- 2 ms only to write one page
- No software emulation needed

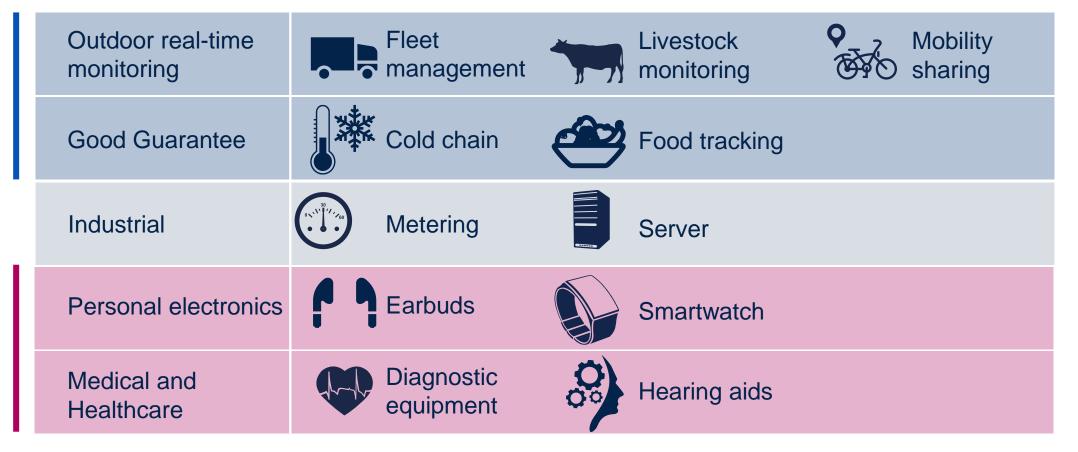### Application examples

- Any applications that require datalogging

Enable fast and easy datalogging

Datalogging with Page EEPROM

Make these applications smarter and more accurate

Asset tracking

Outdoor real-time monitoring	Fleet management	Livestock monitoring	Mobility sharing
Good Guarantee	Cold chain	Food tracking	
Industrial	Metering	Server	

IoT

Personal electronics	Earbuds	Smartwatch
Medical and Healthcare	Diagnostic equipment	Hearing aids

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