ST MEMS Longevity Program
10-year commitment
ST MEMS Longevity Program
10 years longevity commitment

ST’s Product Longevity Program addresses **customer needs** to:

- Protect their design investments by ensuring a minimum of 10 years of availability on selected sensor devices

ST’s full product portfolio supported via **normal roadmaps**:

- No change to standard products
- Longevity products are a subset of the ST MEMS portfolio

ST’s customers now have a **choice**:

- Buy standard products with existing service and support
- Buy products with longevity commitment to obtain an extended life and increased stability
ST MEMS Longevity Program
10 years longevity commitment

ST is focused on markets requiring long lifecycles

- Industrial
- Appliances
- Building automation
- Defense
- Navigation

ST Longevity Program benefits:
• 10-year longevity from Product Introduction Date
• High performance and high quality even in harsh industrial environments (extended temperature ranges, shocks and vibrations)
Product Longevity Webpage

# Industrial Product Family

10 years longevity commitment

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IIS328DQ

3-axis digital accelerometer for industrial applications

In Production since Q1 2015

Key features

- 10 years longevity commitment
- Extended temperature range: -40° to 105 °C
- Dynamically user selectable FS: ±2g/±4g/±8g
- 12-bit resolution, low power consumption (<10 μA at 10 Hz ODR)
- BW (Max) 500 Hz; Output data rate: 0.5 Hz → 1 kHz
- Advanced power saving and sleep-to-wake up function
- 24-lead, 4x4x1.8mm QFPN package

- Anti-tampering / impact recognition and logging
- Vibration monitoring and compensation
- Robotics
- Tilt measurement / motion-activated functions
IIS2DH

Ultra-low-power 3-axis linear accelerometer with digital output

Key features

- 10 years longevity commitment
- Dynamically user selectable FS: ±2g/±4g/±8g/±16g
- Output data rate: from 1 Hz up to 5 kHz
- **Ultra-low power consumption**: down to 2 µA in Low Power mode and 0.5 µA in Power-down mode
- **Embedded FIFO**: 32 levels – 4 different operating modes
- **Programmable interrupt** signals for 4D/6D orientation, motion detection, free-fall and other conditions
- 12-lead, 2x2x1mm, LGA package

In Production since Q1 2015

- Intelligent power-saving
- Motion-activated functions
- Impact recognition and logging
- Robotics and tilt measurement
I3G4250D

3-axis digital gyroscope for industrial applications

Key features
- 10 years longevity commitment
- 3-axis gyro: 245/500/2000 dps full-scale
- Low noise and high-stability over temperature
- 16-lead, 4x4x1.1mm LGA package
- Programmable interrupt generators
- Embedded FIFO
- Embedded self-test functionality

In Production since Q1 2015

- Industrial systems
- Navigational systems
- Telematics
- Robotics
For more information, visit
http://www.st.com/mems