



# **$\pm 2g/\pm 4g/\pm 8g/\pm 16g$ , Low Power 12-Bit Digital Accelerometer**

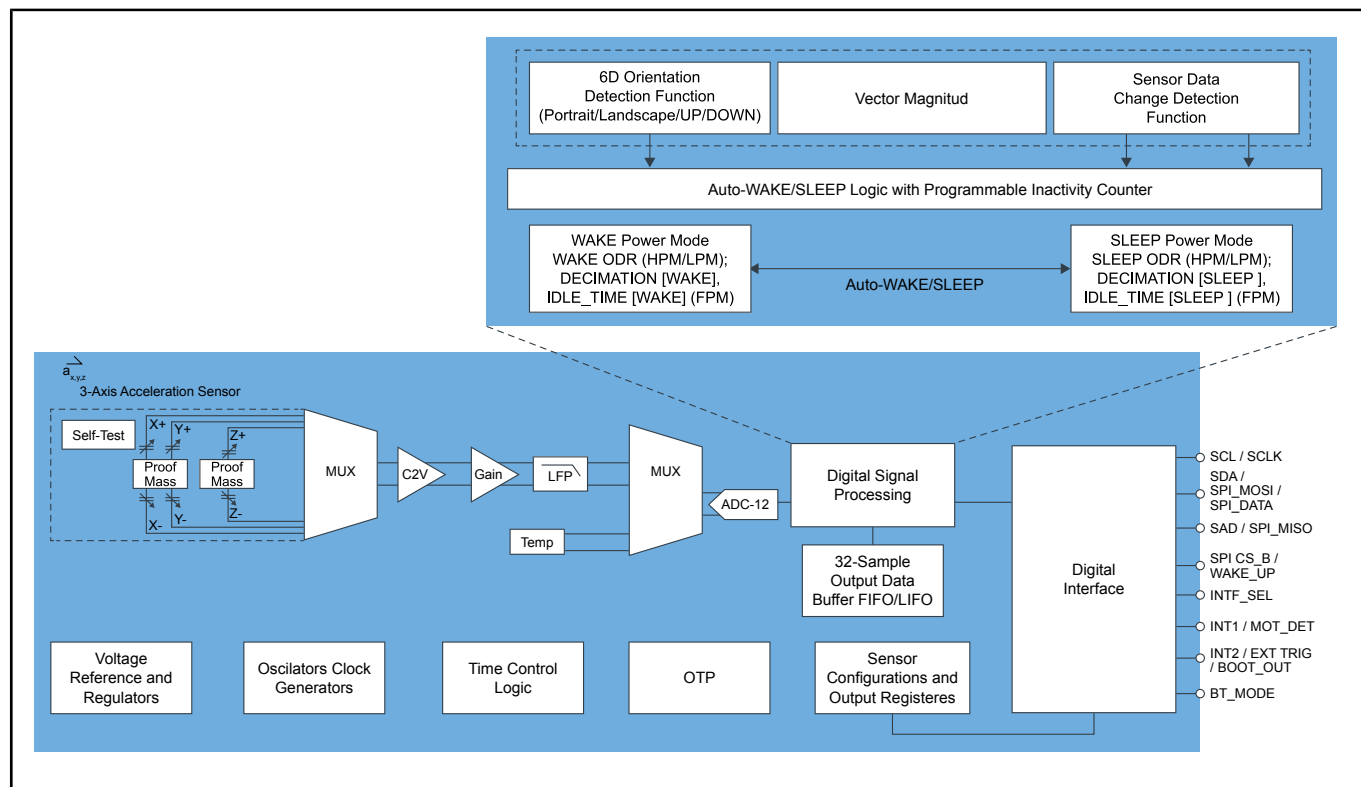
## **FXLS8971CF**

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FXLS8971CF is a compact 3-axis MEMS accelerometer designed for use in a wide range of industrial and medical IOT applications that require excellent offset and sensitivity stability over temperature. The part supports both high-performance and low-power operating modes, allowing maximum flexibility to meet the resolution and power needs for various unique use cases. A number of advanced, integrated digital features enable designers to reduce the overall system power consumption and simplify host data collection.

FXLS8971CF is available in a 3 mm x 3 mm x 1.25 mm 12-pin QFN package with 0.65 mm pitch and wettable flanks. The device is qualified to industrial standards over the extended  $-40\text{ }^{\circ}\text{C}$  to  $105\text{ }^{\circ}\text{C}$  temperature range. The combination of sensor performance, system power-saving features, and extended over-temperature-range performance makes FXLS8971CF an ideal accelerometer for motion and position sensing/inclinometer applications in the IoT and industrial segments.

## FXLS8961AF Block Diagram



View additional information for [±2g/±4g/±8g/±16g, Low Power 12-Bit Digital Accelerometer](#).

**Note:** The information on this document is subject to change without notice.

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