



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

## **MMA8452Q**

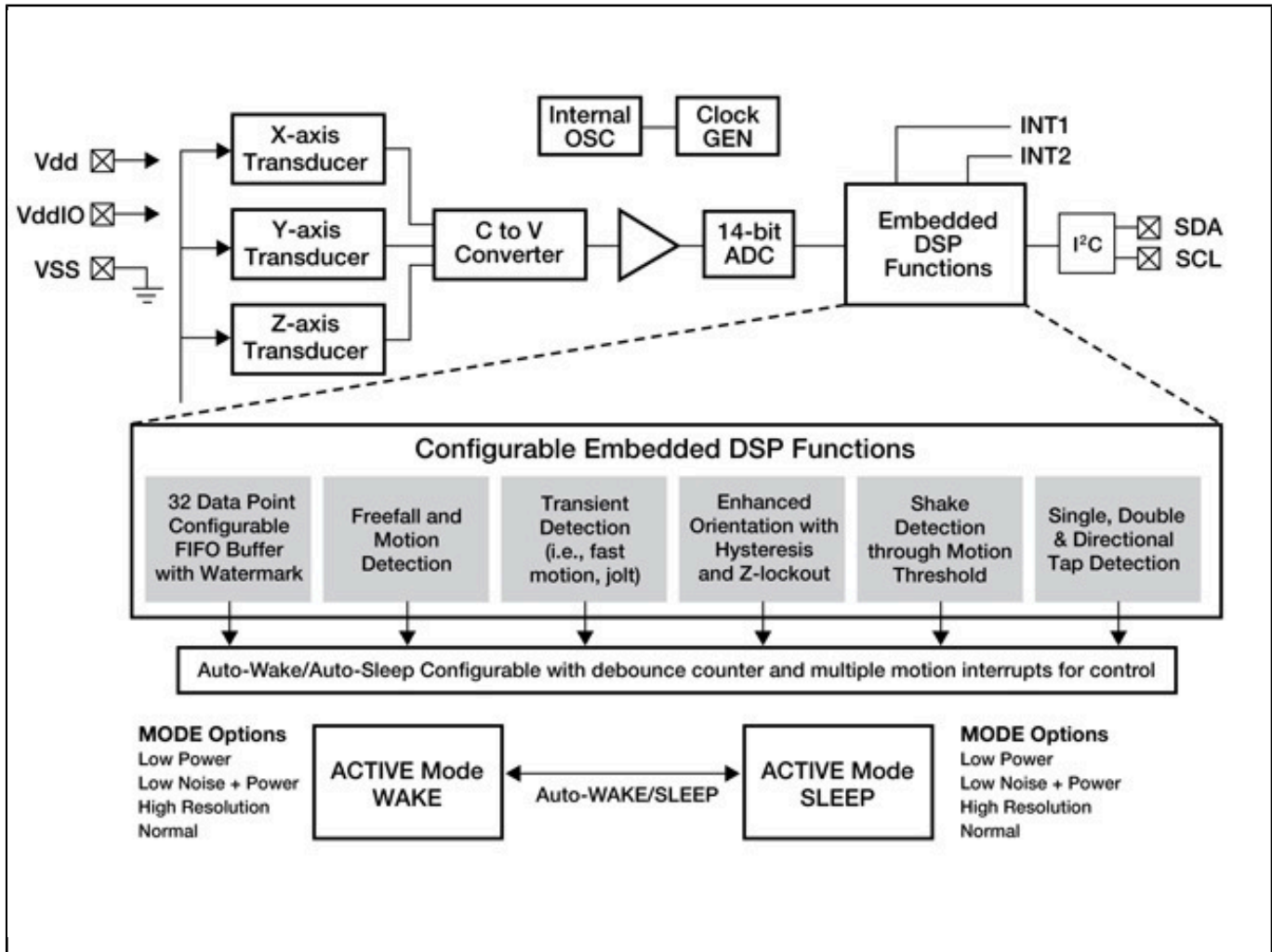
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This product is in “End of Life” status, we recommend [FXLS8974CF](#) or [FXLS8967AF](#) as a replacement.

The NXP® MMA8452Q is a low-power, three-axis capacitive micromachined accelerometer with 12 bits of resolution, featuring:

- Embedded functions with flexible user-programmable options, configurable to two interrupt pins
- Embedded interrupt functions for overall power savings relieving the host processor from continuously polling data
- User-selectable full scales of  $\pm 2g/\pm 4g/\pm 8g$  with high-pass filtered data as well as non-filtered data available real-time
- Inertial wake-up interrupt signals from any combination of the configurable embedded functions allowing the MMA8452Q to monitor events and remain in a low-power mode during periods of inactivity

## MMA8452Q Acceleration Sensor Block Diagram Block Diagram



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

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

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