



Digital Motion Sensor - 3D Accelerometer ($\pm 2g/\pm 4g/\pm 8g$) + 3D Magnetometer

FXOS8700CQ

Last Updated: Aug 23, 2022

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

FXOS8700CQ 6-axis sensor combines advanced accelerometer and magnetometer sensors in a small 3 x 3 x 1.2 mm QFN plastic package.

The 14-bit accelerometer and 16-bit magnetometer are combined with a high-performance ASIC to enable an eCompass solution capable of a typical orientation resolution of 0.1° and sub-5° compass heading accuracy for many applications.

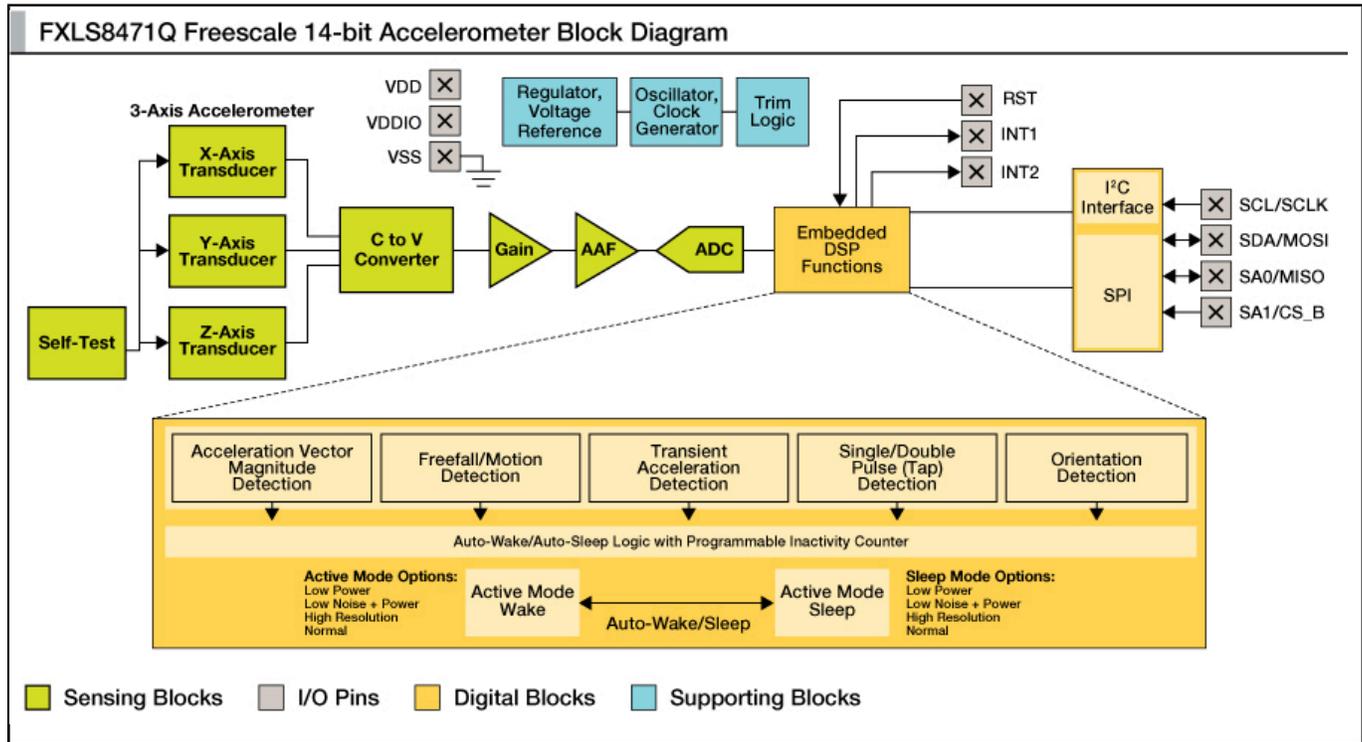
Applications

- eCompass
- Enhanced UI
- Augmented reality (AR)
- Location-based services

Target Products

- Smartphones
- Tablets
- Personal navigation devices
- Remote controls for smart TVs
- Watches
- Gaming controllers
- Robotics
- Unmanned air vehicles (UAVs)

FXOS8700CQ Block Diagram Block Diagram



View additional information for [Digital Motion Sensor - 3D Accelerometer \(±2g/±4g/±8g\) + 3D Magnetometer](#).

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

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