



NXP® E-Compass Software

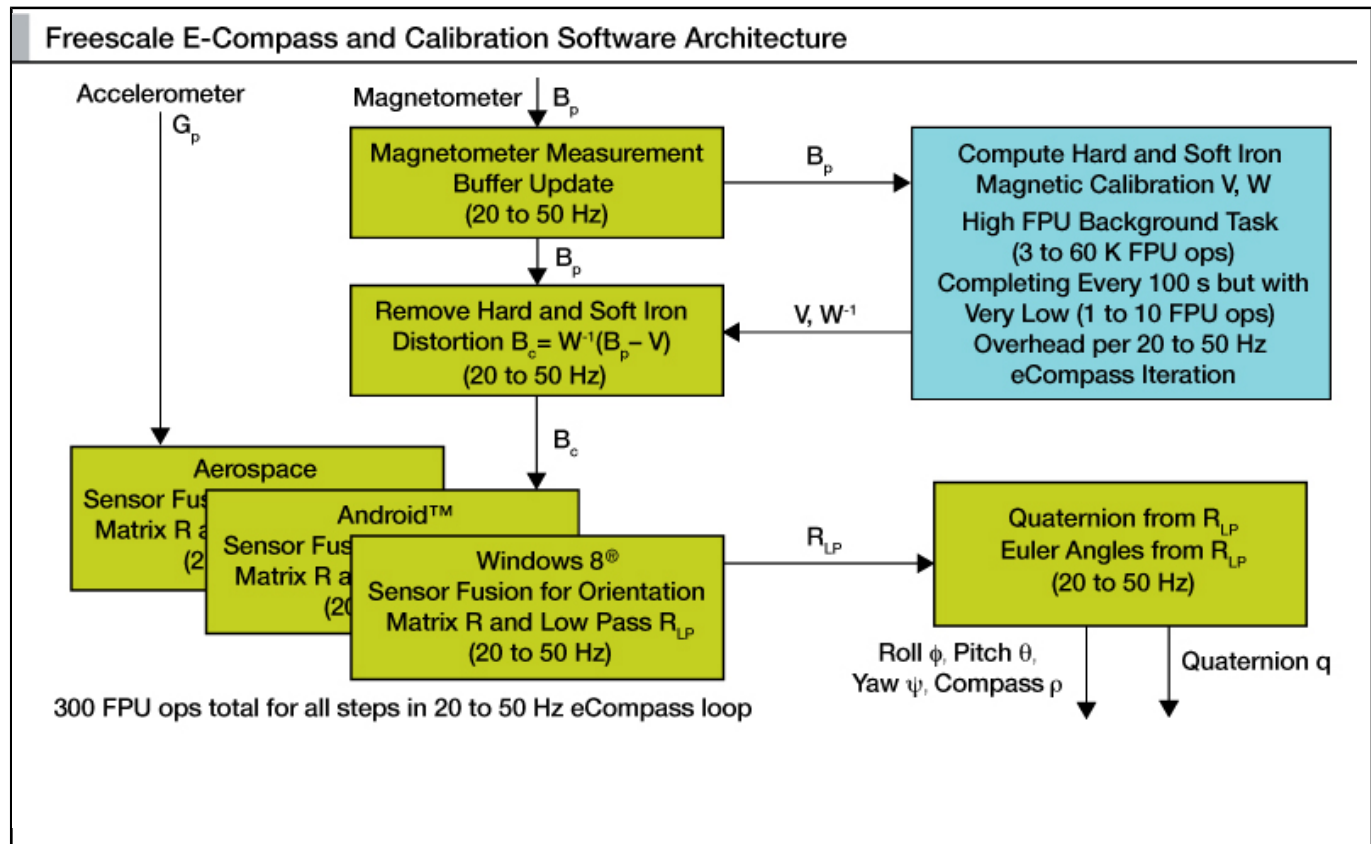
E-Compass

Last Updated: Dec 24, 2025

NXP® offers tilt-compensated e-compass and magnetic calibration software as part of the NXP Sensor Fusion software library

- The e-Compass functions in the Sensor Fusion library use data from accelerometer and magnetometer sensors to provide an accurate magnetic compass heading corrected for orientation and hard and soft iron magnetic interference
- Target applications are mobile, consumer, or Internet of Things product that needs a compass, such as wearables, fitness bands, and gaming products
- The software is provided free of charge for evaluation and commercial use NXP customers using MAG3110, FXOS8700CQ or other NXP magnetometer

Xtrinsic E-Compass Software Block Diagram



View additional information for [NXP® E-Compass Software](#).

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

www.nxp.com

NXP and the NXP logo are trademarks of NXP B.V. All other product or service names are the property of their respective owners. The related technology may be protected by any or all of patents, copyrights, designs and trade secrets. All rights reserved. © 2025 NXP B.V.