



# Safety System Basis Chip for S32S2 Microcontroller, Fit for ASIL D

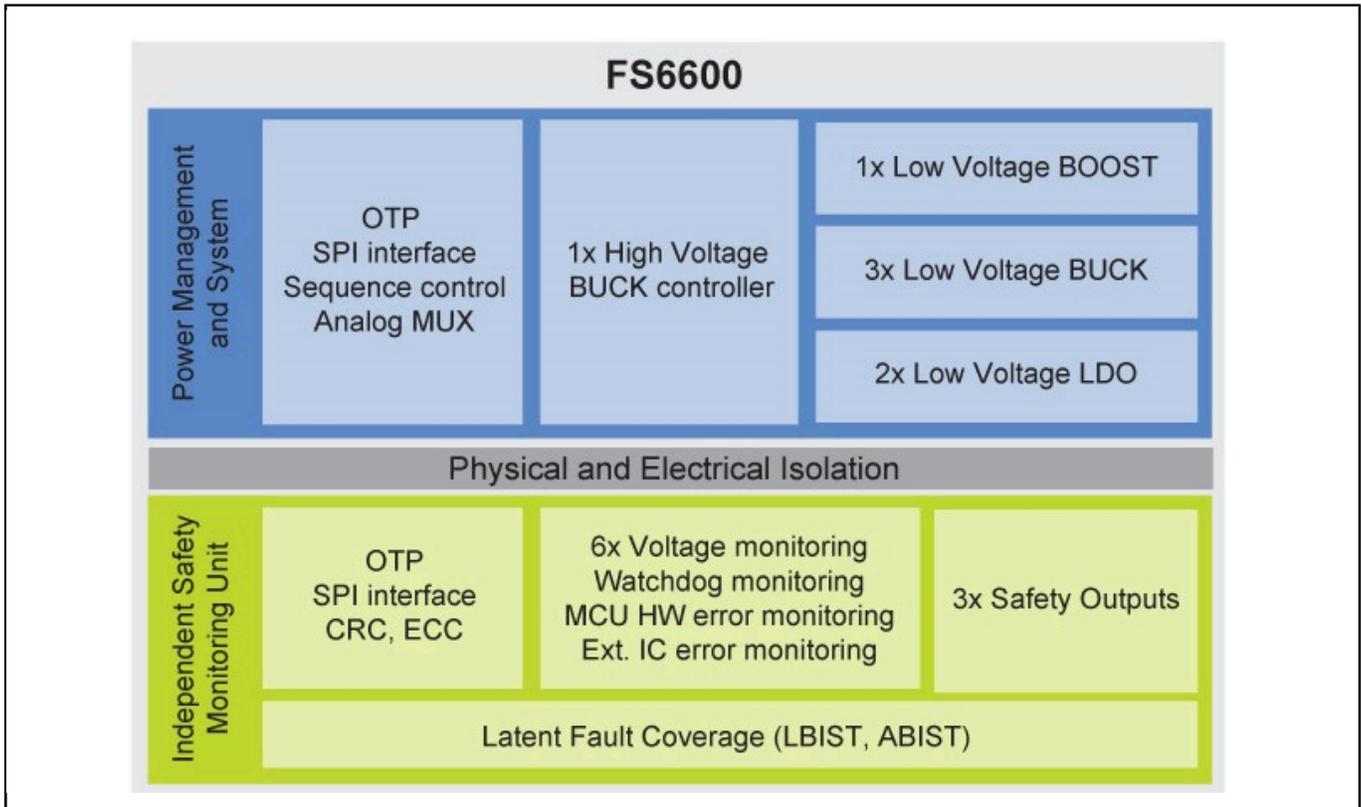
## FS6600

Last Updated: Dec 24, 2025

The FS66 is an automotive, functionally safe multi-output power supply integrated circuit. It's focused on powertrain, safety and chassis applications and is the primary companion chip of the [S32S2 microcontroller](#).

The FS66 includes multiple switch mode and linear voltage regulators, enhanced safety features with fail-safe outputs. This makes it a full part of a safety-oriented system up to ASIL D safety integrity level. It is developed in compliance with the ISO 26262 standard and will be qualified according to AEC-Q100 rev H requirements.

## FS6600 Block Diagram Block Diagram



View additional information for [Safety System Basis Chip for S32S2 Microcontroller, Fit for ASIL D](#).

**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. © 2026 NXP B.V.