



MIFARE Plus® EV2: Secure IC for Contactless Smart City Services

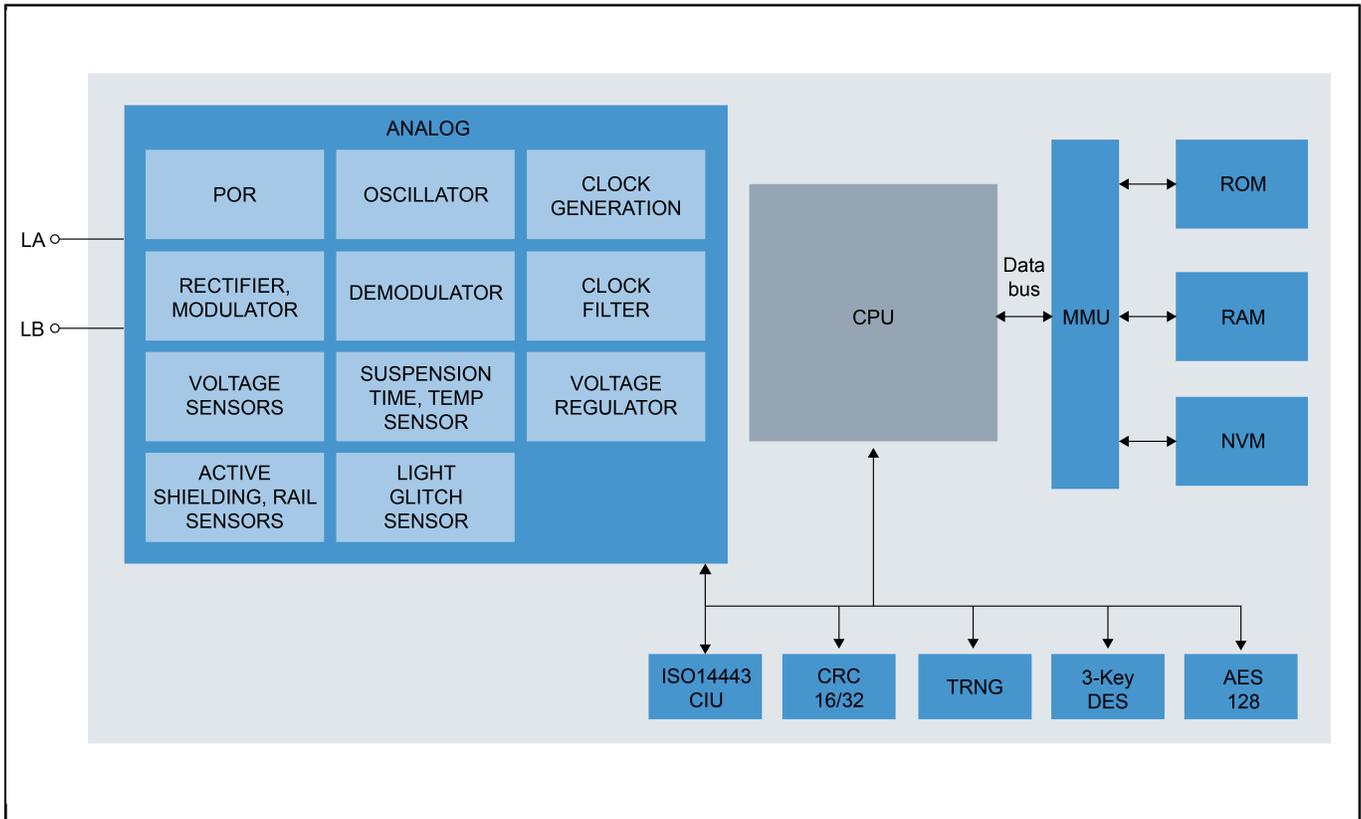
MFPEV2

Last Updated: Dec 23, 2025

As the next generation of NXP's MIFARE Plus product family, the MIFARE Plus EV2 IC is designed to be both a gateway for new Smart City applications and a compelling upgrade, in terms of security and connectivity, for existing deployments. Its expanded feature set makes it a great choice for contactless Smart City services:

- Security-level concept for seamless migration from legacy infrastructures to high-level SL3 security
- Transaction MAC on Data and Value Blocks to prove genuineness of transaction towards backend system
- AES 128-bit cryptography for authentication and secure messaging
- Transaction Timer to mitigate man-in-the-middle attacks
- IC hardware and software certification according to Common Criteria EAL 5+

MIFARE Plus EV2 block diagram Block Diagram



View additional information for [MIFARE Plus® EV2: Secure IC for Contactless Smart City Services](#).

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.