UCODE® 7/7m

SL3S1204

Last Updated: Dec 23, 2025

NXP’s UCODE 7 is a product of the UCODE product family and can be used in several RFID tagging applications.

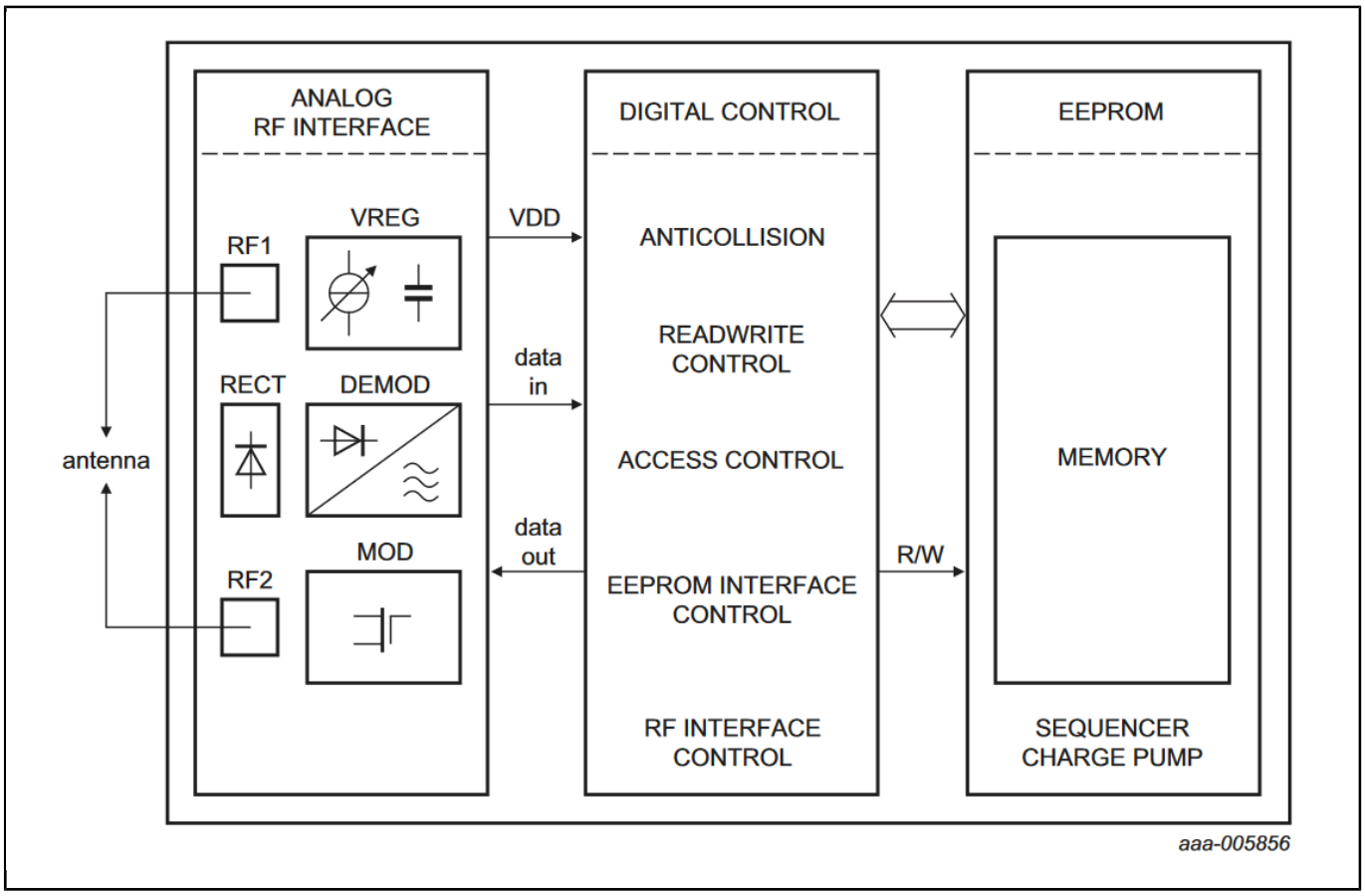
UCODE® 7m is a derivative of the UCODE 7 and features a 32-bit User Memory on top of UCODE 7.

Particularly well suited for inventory management application, like e.g Retail and Fashion, with its RF performance for any given form factor, UCODE 7 enables long read distance and fast inventory of dense RFID tag population. With its broadband design, it offers the possibility to manufacture true global RFID label with great performance over worldwide regulations.

The device also provides a pre-serialized 96-bit EPC and a Parallel encoding feature. For applications where the same 58-bit Stock Keeping Unit (SKU) needs to be encoded on multiple tags, at the same time, a combination of both features improves and simplifies the tag initialization process.

On top UCODE 7 offers a Tag Power Indicator for RFID tag initialization optimization and a Product Status Flag for Electronic Article Surveillance (EAS) application.

UCODE 7 Block Diagram Block Diagram



View additional information for UCODE® 7/7m.

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.