UCODE Guard: Secure Authentication for Retail, Automotive and Pharma

UCODE-GUARD

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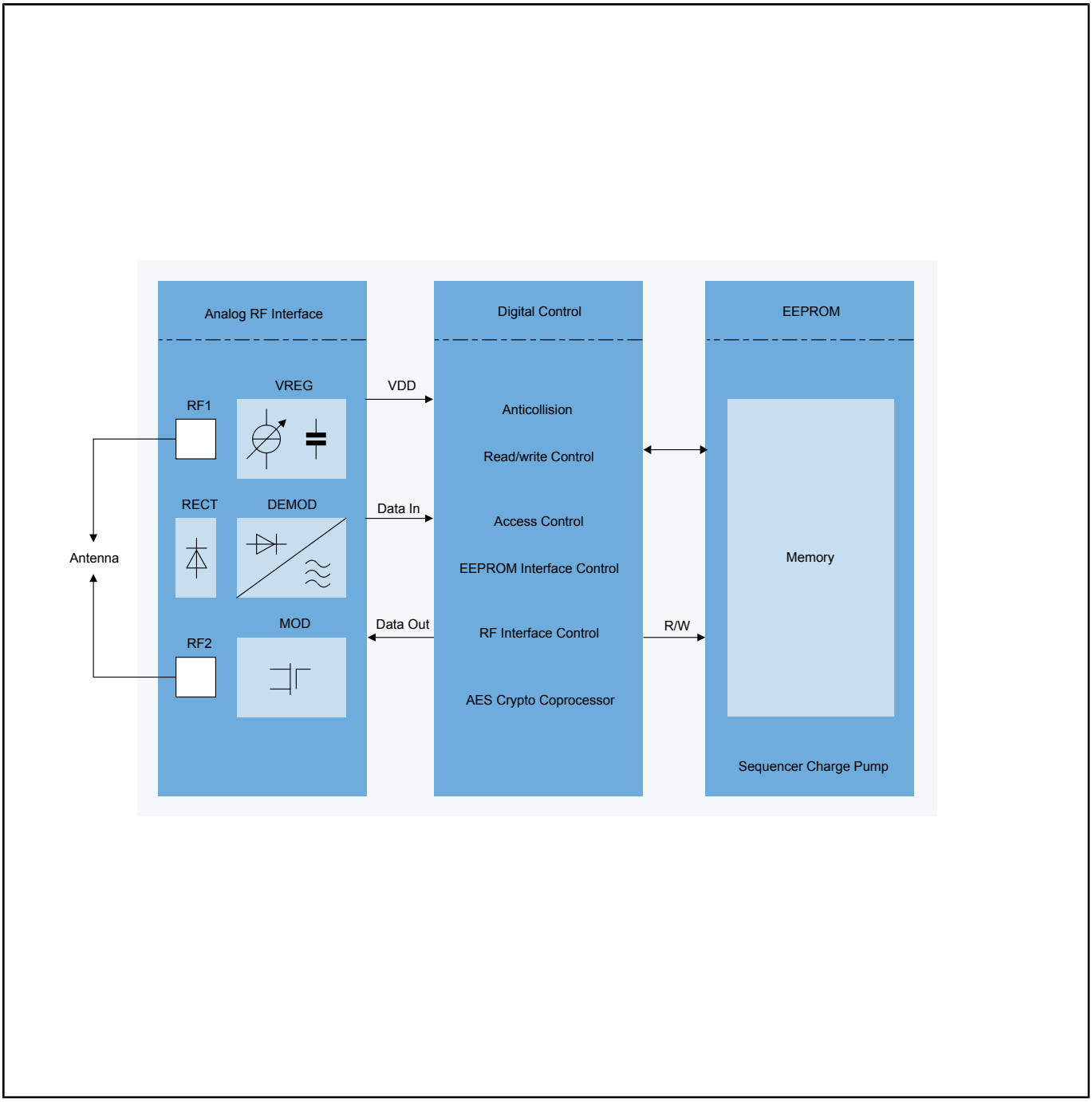
Combining cryptographic AES-128 authentication with large EPC and user memories, tags using UCODE Guard can enable stronger brand protection while increasing the efficiency and accuracy of inventory control. UCODE Guard provides brand owners a mechanism to prove items are genuine, protecting both brand authenticity and user safety; all while conducting standard RAIN RFID inventory activities. Designed for compatibility with the standard Gen2v2 infrastructure, UCODE Guard simplifies design-in while ensuring a higher level of protection in the supply chain.

UCODE Guard Block Diagram



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