



# UCODE<sup>®</sup> G2iM and G2iM+

## SL3S1003\_1013

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NXP's UCODE G2iM series transponder ICs offers in addition to the leading-edge read range features such as a Tag Tamper Alarm, Data Transfer, Digital Switch, advanced privacy-protection modes and a 640 bit configurable User Memory.

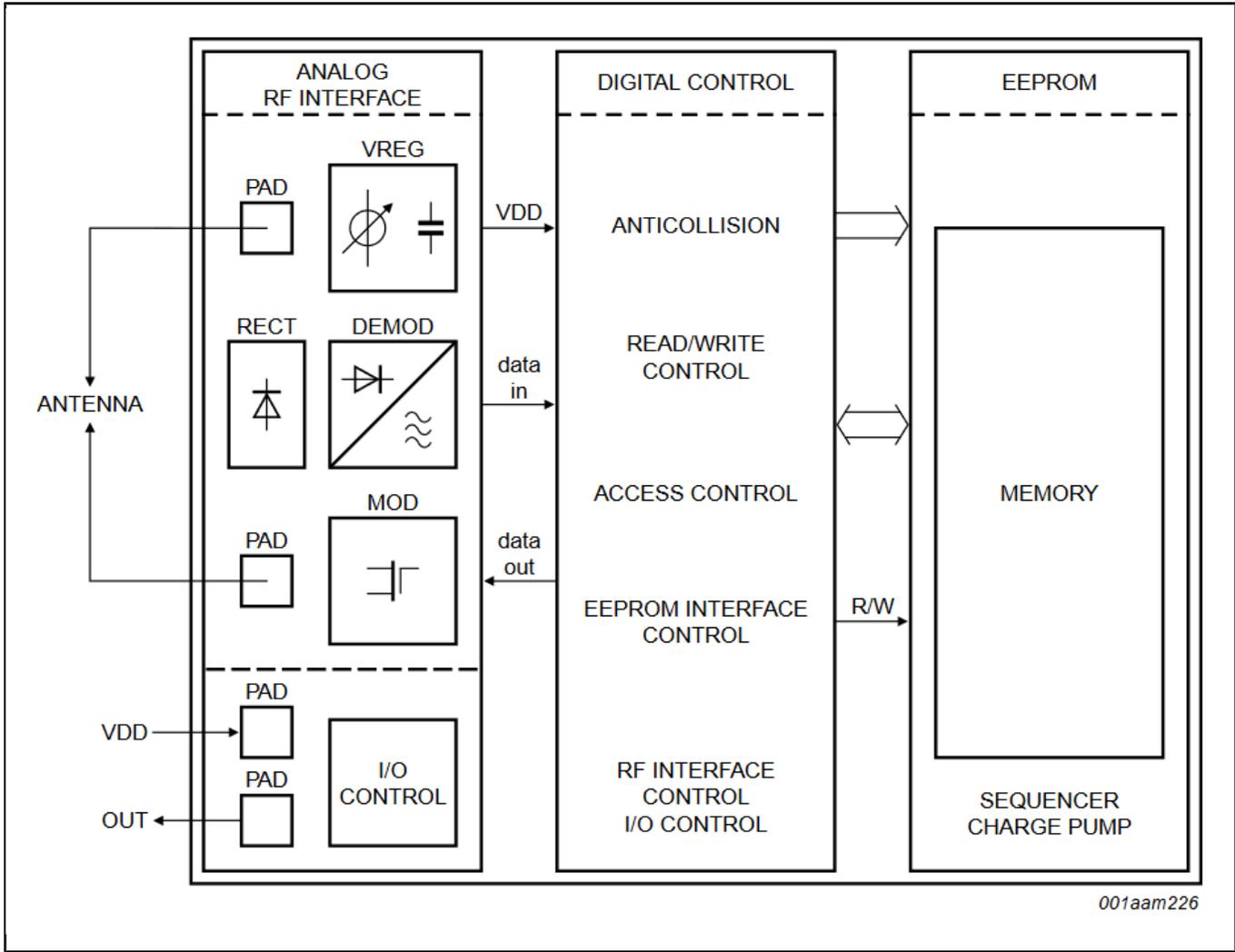
Very high chip sensitivity (-17.5 dBm) enables longer read ranges with simple, single-port antenna designs. In fashion and retail the UCODE G2iM series improve read rates and provide for theft deterrence. In the electronic device market, they are ideally suited for device configuration, activation, production control and PCB tagging. In authentication applications, they protect brands and guard against counterfeiting. They can also be used to tag containers, electronic vehicles, airline baggage, and more.

In addition to the EPC specifications the UCODE G2iM offers an integrated Product Status Flag (PSF) feature and read protection of the memory content.

The UCODE G2iM+ offers on top of the UCODE G2iM features an integrated tag tamper alarm, digital switch, external supply mode, data transfer mode and real read range reduction. A special feature is the conditional, automatic real read range reduction, where the activation condition can be defined by the user, is newly introduced in the UCODE G2iM+. When connected to a power supply, the READ as well as the WRITE range can be boosted to a sensitivity of -27 dBm.

The UCODE G2iM+ also allows the segmentation of the 640 bit User Memory in up to three segments (open, protected, private) with different access levels (Access- and User Password). For applications which require a longer EPC number the UCODE G2iM+ offers the possibility of up to 448 bit.

### UCODE G2iM G2iM+ Block Diagram Block Diagram



View additional information for [UCODE® G2iM and G2iM+](#).

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