GICR_IIDR, Redistributor Implementer Identification Register

The GICR_IIDR characteristics are:

Purpose

Provides information about the implementer and revision of the Redistributor.

Configuration

This register is available in all configurations of the GIC. If the GIC implementation supports two Security states, this register is Common.

Attributes

GICR_IIDR is a 32-bit register.

Field descriptions

31 30 29 28 27 26 25 24	23 22 21 20	19 18 17 16	15 14 13 12	11 10 9 8 7 6 5 4 3 2 1 0
ProductID	RES0	Variant	Revision	Implementer

ProductID, bits [31:24]

Product Identifier.

This field has an implementation defined value.

Access to this field is **RO**.

Bits [23:20]

Reserved, res0.

Variant, bits [19:16]

Variant number. Typically, this field is used to distinguish product variants, or major revisions of a product.

This field has an implementation defined value.

Access to this field is **RO**.

Revision, bits [15:12]

Revision number. Typically, this field is used to distinguish minor revisions of a product.

This field has an implementation defined value.

Access to this field is **RO**.

Implementer, bits [11:0]

Contains the JEP106 code of the company that implemented the Redistributor:

- Bits [11:8] are the JEP106 continuation code of the implementer. For an Arm implementation, this field is `0x4`.
- Bit [7] is always 0.
- Bits [6:0] are the JEP106 identity code of the implementer. For an Arm implementation, bits [7:0] are therefore `0x3B`.

Accessing GICR_IIDR

GICR_IIDR can be accessed through the memory-mapped interfaces:

Component	Frame	Offset	Instance
GIC Redistributor	RD_base	`0x0004`	GICR_IIDR

Accesses on this interface are **RO**.

28/03/2023 16:01; 72747e43966d6b97dcbd230a1b3f0421d1ea3d94