

TRCIDR9, ID Register 9

The TRCIDR9 characteristics are:

Purpose

Returns the tracing capabilities of the trace unit.

Configuration

External register TRCIDR9 bits [31:0] are architecturally mapped to AArch64 System register [TRCIDR9\[31:0\]](#).

This register is present only when FEAT_ETE is implemented and FEAT_TRC_EXT is implemented. Otherwise, direct accesses to TRCIDR9 are res0.

Attributes

TRCIDR9 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
NUMPOKEY																															

NUMPOKEY, bits [31:0]

When TRCIDR0.TRCDATA != 0b00:

Indicates the number of P0 right-hand keys. Data tracing is not implemented in ETE and this field is reserved for other trace architectures. Allocated in other trace architectures.

Otherwise:

Reserved, res0.

Accessing TRCIDR9

TRCIDR9 can be accessed through the external debug interface:

Component	Offset	Instance
ETE	0x184	TRCIDR9

This interface is accessible as follows:

- When OSLockStatus() or !IsTraceCorePowered(), accesses to this register generate an error response.
- Otherwise, accesses to this register are **RO**.

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