TRCDEVTYPE, Device Type Register

The TRCDEVTYPE characteristics are:

Purpose

Provides discovery information for the component. If the part number field is not recognized, a debugger can report the information that is provided by TRCDEVTYPE about the component instead.

For additional information, see the CoreSight Architecture Specification.

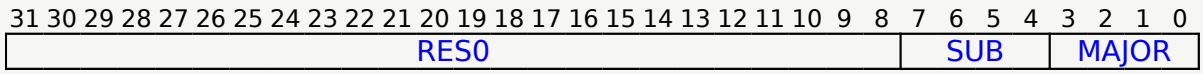
Configuration

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

Attributes

TRCDEVTYPE is a 32-bit register.

Field descriptions



Bits [31:8]

Reserved, res0.

SUB, bits [7:4]

Component sub-type.

SUB	Meaning
0b0001	When MAJOR == 0x3 (Trace source): Associated with a PE.

This field reads as 0x1.

MAJOR, bits [3:0]

Component major type.

MAJOR	Meaning
0b0011	Trace source.

Other values are defined by the CoreSight Architecture.

This field reads as 0x3.

Accessing TRCDEVTYPE

External debugger accesses to this register are unaffected by the OS Lock.

TRCDEVTYPE can be accessed through the external debug interface:

Component	Offset	Instance
ETE	0xFCC	TRCDEVTYPE

This interface is accessible as follows:

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

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