

This sets or returns the value of counter n.

The count value is only stable when TRCSTATR.PMSTABLE == 1.

If software uses counter n then it must write to this register to set the initial counter value.

Might ignore writes when the trace unit is enabled or not idle.

Bit number				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																															
ID				A A																															
Reset 0x00000000				0 0																															
ID	R/W	Field	Value ID	Value				Description																											
A	RW	VALUE		[0:65535]				Contains the count value of counter n.																											

9.8.1.28 TRCRSCTLR[n] (n=2..31)

Address offset: 0x200 + (n × 0x4)

Controls the selection of the resources in the trace unit.

Might ignore writes when the trace unit is enabled or not idle.

If software selects a non-implemented resource then CONSTRAINED UNPREDICTABLE behavior of the resource selector occurs, so the resource selector might fire unexpectedly or might not fire. Reads of the TRCRSCTLRn might return UNKNOWN.

Bit number				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																															
ID				A																															
Reset 0x00000000				0 0																															
ID	R/W	Field	Value ID	Value	Description																														
A	RW	EN			Trace unit enable bit																														
			Disabled	0	The trace unit is disabled. All trace resources are inactive and no trace is generated.																														
			Enabled	1	The trace unit is enabled.																														

9.8.1.29 TRCSSCCR0

Address offset: 0x280

Controls the single-shot comparator.

Bit number				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																															
ID				A																															
Reset 0x00000000				0 0																															
ID	R/W	Field	Value ID	Value				Description																											
A	RW	RST						Enables the single-shot comparator resource to be reset when it occurs, to enable another comparator match to be detected																											
			Disabled	0				Multiple matches can not be detected.																											
			Enabled	1				Multiple matches can occur.																											

9.8.1.30 TRCSSCSR0

Address offset: 0x2A0

Indicates the status of the single-shot comparators. TRCSSCSR0 is sensitive to instruction addresses.