

AP ID	Type	Description
0	AHB-AP	CM33 access port
1	AHB-AP	AUX access port
2	CTRL-AP	Control access port

Table 70: Access port overview

The AHB-AP is a standard Arm component. See the *ArmCoreSight SoC-400 Technical Reference Manual* for more information. The control access port (CTRL-AP) is proprietary and described in more detail in [CTRL-AP — Control access port](#) on page 822.

9.1.1 Debug access port registers

Register overview

Register	Offset	TZ	Description
TARGETID	0x024		The TARGETID register provides information about the target when the host is connected to a single device. The TARGETID register is accessed by a read of DP register 0x4 when the DPBANKSEL bit in the SELECT register is set to 0x2.
DLPIDR	0x034		The DLPIDR register provides information about the serial wire debug protocol version. Accessed by a read of DP register 0x4 when the DPBANKSEL bit in the SELECT register is set to 0x3.

9.1.1.1 TARGETID

Address offset: 0x024

The TARGETID register provides information about the target when the host is connected to a single device.

The TARGETID register is accessed by a read of DP register 0x4 when the DPBANKSEL bit in the SELECT register is set to 0x2.

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	C	C	C	C	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	A	A	A	A	A	A	A	A	A																									
Reset 0x00000289	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	0																								
ID	R/W	Field	Value	ID	Value	Description																																																	
A	R	TDESIGNER	An 11-bit code JEDEC JEP106 continuation code and identity code. The ID identifies the designer of the part.																																																				
		NordicSemi	0x144	Nordic Semiconductor ASA.																																																			
B	R	TPARTNO	Part number.																																																				
C	R	TREVISION	Target revision.																																																				

9.1.1.2 DLPIDR

Address offset: 0x034

The DLPIDR register provides information about the serial wire debug protocol version.

Accessed by a read of DP register 0x4 when the DPBANKSEL bit in the SELECT register is set to 0x3.