

ARM Core	Bit Width	ARM Website	ARM Technical Reference Manual	ARM Architecture Reference Manual
Cortex-A5	32	Link (https://developer.arm.com/products/processors/cortex-a/cortex-a5)	Link (https://developer.arm.com/documentation/ddi0434/latest/)	ARMv7-A (https://developer.arm.com/documentation/ddi0406/latest/)
Cortex-A7	32	Link (https://developer.arm.com/products/processors/cortex-a/cortex-a7)	Link (https://developer.arm.com/documentation/ddi0464/latest/)	
Cortex-A8	32	Link (https://developer.arm.com/products/processors/cortex-a/cortex-a8)	Link (https://developer.arm.com/documentation/ddi0344/latest/)	
Cortex-A9	32	Link (https://developer.arm.com/products/processors/cortex-a/cortex-a9)	Link (https://developer.arm.com/documentation/ddi0407/latest/)	
Cortex-A12	32	merged into A17		
Cortex-A15	32	Link (https://developer.arm.com/products/processors/cortex-a/cortex-a15)	Link (https://developer.arm.com/documentation/ddi0438/latest/)	
Cortex-A17	32	Link (https://developer.arm.com/products/processors/cortex-a/cortex-a17)	Link (https://developer.arm.com/documentation/ddi0535/latest/)	
Cortex-A32	32	Link (https://developer.arm.com/products/processors/cortex-a/cortex-a32)	Link (https://developer.arm.com/documentation/100241/latest/)	ARMv8-A (https://developer.arm.com/documentation/ddi0487/latest/)
Cortex-A34	64	Link (https://developer.arm.com/products/processors/cortex-a/cortex-a34)	Link (https://developer.arm.com/documentation/100246/latest/)	
Cortex-A35	32/64	Link (https://developer.arm.com/products/processors/cortex-a/cortex-a35)	Link (https://developer.arm.com/documentation/100236/latest/)	
Cortex-A53	32/64	Link (https://developer.arm.com/products/processors/cortex-a/cortex-a53)	Link (https://developer.arm.com/documentation/ddi0500/latest/)	
Cortex-A55	32/64	Link (https://developer.arm.com/products/processors/cortex-a/cortex-a55)	Link (https://developer.arm.com/documentation/100442/latest/)	ARMv8.2-A (https://developer.arm.com/documentation/ddi0487/latest/)
Cortex-A57	32/64	Link (https://developer.arm.com/products/processors/cortex-a/cortex-a57)	Link (https://developer.arm.com/documentation/ddi0488/latest/)	ARMv8-A (https://developer.arm.com/documentation/ddi0487/latest/)
Cortex-A510	64 (2021) 32/64 (2022)	Link (https://developer.arm.com/ip-products/processors/cortex-a/cortex-a510)	Link (https://developer.arm.com/documentation/101604/latest/)	ARMv9-A (https://developer.arm.com/documentation/ddi0608/latest/)
Cortex-A520	64	Link (https://developer.arm.com/Processors/Cortex-A520)	Link (https://developer.arm.com/documentation/102517/latest/)	ARMv9.2-A (https://developer.arm.com/documentation/ddi0487/latest/)
Cortex-A65	64	Link (https://developer.arm.com/products/processors/cortex-a/cortex-a65)	Link (https://developer.arm.com/documentation/100439/latest/)	ARMv8.2-A (https://developer.arm.com/documentation/ddi0487/latest/)
Cortex-A72	32/64	Link (https://developer.arm.com/products/processors/cortex-a/cortex-a72)	Link (https://developer.arm.com/documentation/100095/latest/)	ARMv8-A (https://developer.arm.com/documentation/ddi0487/latest/)
Cortex-A73	32/64	Link (https://developer.arm.com/products/processors/cortex-a/cortex-a73)	Link (https://developer.arm.com/documentation/100048/latest/)	
Cortex-A75	32/64	Link (https://developer.arm.com/products/processors/cortex-a/cortex-a75)	Link (https://developer.arm.com/documentation/100403/latest/)	ARMv8.2-A (https://developer.arm.com/documentation/ddi0487/latest/)
Cortex-A76	32/64	Link (https://developer.arm.com/products/processors/cortex-a/cortex-a76)	Link (https://developer.arm.com/documentation/100798/latest/)	
Cortex-A77	32/64	Link (https://developer.arm.com/ip-products/processors/cortex-a/cortex-a77)	Link (https://developer.arm.com/documentation/101111/latest/)	
Cortex-A78	32/64	Link (https://developer.arm.com/ip-products/processors/cortex-a/cortex-a78)	Link (https://developer.arm.com/documentation/101430/latest/)	
Cortex-A710	32/64	Link (https://developer.arm.com/ip-products/processors/cortex-a/cortex-a710)	Link (https://developer.arm.com/documentation/101800/latest/)	
Cortex-A715	64	Link (https://developer.arm.com/Processors/Cortex-A715)	Link (https://developer.arm.com/documentation/101590/latest/)	ARMv9-A (https://developer.arm.com/documentation/ddi0608/latest/)
Cortex-A720	64	Link (https://developer.arm.com/Processors/Cortex-A720)	Link (https://developer.arm.com/documentation/102530/latest/)	ARMv9.2-A (https://developer.arm.com/documentation/ddi0487/latest/)

Quick Reference Cards

- Instructions: Thumb (1 (http://infocenter.arm.com/help/topic/com.arm.doc.qrc0006e/QRC0006_UAL16.pdf)), ARM and Thumb-2 (2 (http://infocenter.arm.com/help/topic/com.arm.doc.qrc0001m/QRC0001_UAL.pdf)), Vector Floating-Point (3 (http://infocenter.arm.com/help/topic/com.arm.doc.qrc0007e/QRC0007_VFP.pdf)) – arm.com
- Opcodes: Thumb (1 (<http://re-eject.gbadev.org/files/ThumbRefV2-beta.pdf>), 2 (<http://www.mechcore.net/files/docs/ThumbRefV2-beta.pdf>)), ARM (3 (<http://re-eject.gbadev.org/files/armref.pdf>), 4 (<http://www.mechcore.net/files/docs/armref.pdf>)), GNU Assembler Directives (5 (<http://re-eject.gbadev.org/files/GasARMRef.pdf>)).

Migrating

- Migrating from MIPS to ARM (http://infocenter.arm.com/help/topic/com.arm.doc.dai0235c/DAI0235C_migrating_from_mips_to_arm.pdf) – arm.com
- Migrating from PPC to ARM (http://infocenter.arm.com/help/topic/com.arm.doc.dai0245b/DAI0245B_migrating_from_ppc_to_arm.pdf) – arm.com
- Migrating from SH-4 to Cortex-A (http://infocenter.arm.com/help/topic/com.arm.doc.dai0314a/DAI0314A_migrating_from_SH_4_to_Cortex_A.pdf) – arm.com
- Migrating from IA-32 (x86-32) to ARM (http://infocenter.arm.com/help/topic/com.arm.doc.dai0274b/DAI0274B_migrating_from_ia32_to_arm.pdf) – arm.com

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