

- Real-time operating system, Comparison of real-time operating systems

References

- Salter, Jim (9 September 2020). "Arm's new Cortex-R82 is its first 64-bit real-time processor" (https://arstechnica.com/gadgets/2020/09/new-arm-cortex-r82-real-time-cpu-to-bring-higher-storage-performance/). *arstechnica.com*. Ars Technica. Retrieved 11 September 2020.

External links

ARM Cortex-R official documents

- ARM Cortex-R official website (https://developer.arm.com/ip-products/processors/cortex-r)

ARM Core	Bit Width	ARM Website	ARM Technical Reference Manual	ARM Architecture Reference Manual
Cortex-R4(F)	32	Link (https://developer.arm.com/ip-products/processors/cortex-r/cortex-r4)	Link (https://developer.arm.com/documentation/ddi0363/latest/)	ARMv7-R (https://developer.arm.com/documentation/ddi0406/latest/)
Cortex-R5(F)	32	Link (https://developer.arm.com/ip-products/processors/cortex-r/cortex-r5)	Link (https://developer.arm.com/documentation/ddi0460/latest/)	ARMv7-R
Cortex-R7(F)	32	Link (https://developer.arm.com/ip-products/processors/cortex-r/cortex-r7)	Link (https://developer.arm.com/documentation/ddi0458/latest/)	ARMv7-R
Cortex-R8(F)	32	Link (https://developer.arm.com/ip-products/processors/cortex-r/cortex-r8)	Link (https://developer.arm.com/documentation/100400/latest/)	ARMv7-R
Cortex-R52(F)	32	Link (https://developer.arm.com/ip-products/processors/cortex-r/cortex-r52)	Link (https://developer.arm.com/documentation/100026/latest/)	ARMv8 (https://developer.arm.com/documentation/ddi0487/latest/) ARMv8-R (https://developer.arm.com/documentation/ddi0568/latest/)
Cortex-R52+(F)	32	Link (https://developer.arm.com/Processors/Cortex-R52%20Plus)	Link (https://developer.arm.com/documentation/102199/latest/)	ARMv8-R
Cortex-R82(F)	64	Link (https://developer.arm.com/ip-products/processors/cortex-r/cortex-r82)	Link (https://developer.arm.com/documentation/101548/latest)	ARMv8-R (AArch64) (https://developer.arm.com/documentation/ddi0600/latest/)

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 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

Other

- CORTEX-R versus CORTEX-M (http://www.design-reuse.com/articles/26106/cortex-r-versus-cortex-m.html)

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