























Characteristic	ARM Cortex-A8	intel Core i7
Virtual address	32 bits	48 bits
Physical address	32 bits	44 bits
Page size	Variable: 4 16, 64 KiB, 1, 16 MiB	Variable: 4 KiB, 2/4 MiB
TLB organization	1 TLB for instructions and 1 TLB for data	1 TLB for instructions and 1 TLB for data per core
	Both TLBs are fully associative, with 32 entries, round robin replacement	Both L1 TLBs are four-way set associative, LRU replacement
	TLB misses handled in hardware	L1 I-TLB has 128 entries for small pages, 7 per thread for large pages
		L1 D-TLB has 64 entries for small pages, 32 for large pages
		The L2 TLB is four-way set associative, LRU replacement
		The L2 TLB has 512 entries
		TLR missoe bandled in bardware