

# AA-64 architecture

## REX byte

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note: The REX prefix must immediately precede the [opcode byte\(s\)](#).

bit	name	description
7..4	n/a	0100b (yields 40..4Fh range)
3	W	0 = default operand size 1 = 64bit operand size
2	R	mod R/M byte reg field extension
1	X	SIB byte index field extension
0	B	mod R/M byte r/m field extension SIB byte base field extension opcode byte reg field extension

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