

Instruction Prefixes	Opcode	ModR/M	SIB	Displacement	Immediate
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Prefixes of 1 byte each (optional)^{1,2}

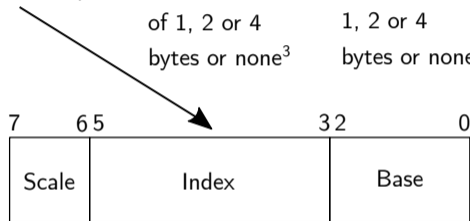
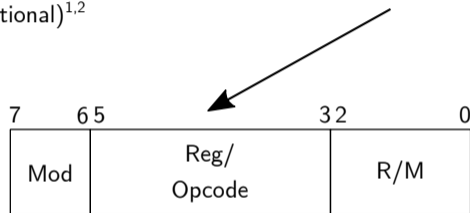
1-, 2-, or 3-byte opcode

1 byte (if required)

1 byte (if required)

Address displacement of 1, 2 or 4 bytes or none³

Immediate data of 1, 2 or 4 bytes or none³



1. The REX prefix is optional, but if used must be immediately before the opcode; see Section 2.2.1, “REX Prefixes” in the manual for additional information.
2. For VEX encoding information, see Section 2.3, “Intel® Advanced Vector Extensions (Intel® AVX)” in the manual.
3. Some rare instructions can take an 8B immediate or 8B displacement.