

# Motherboard chipset compatibility with x8 DRAM chip organization

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## What chipsets are compatible with x8 DRAM chip organization

Processor manufacturers design their chipsets to support specific memory chip organizations. Below is a list of chipsets that are compatible with 256x8 and 512x8 chip organizations. The list is not exhaustive but a snapshot of what is currently available in the market.

x8 chip organization

	256x8	256x8	512x8	512x8
	2GB (8 Chip)	4GB (16 Chip)	4GB (8 Chip)	8GB (16 Chip)
H55	Yes	Yes	No	No
P55	Yes	Yes	No	No
Q57	Yes	Yes	No	No
X58	Yes	Yes	No	No
H61	Yes	Yes	Yes	Yes
H67	Yes	Yes	Yes	Yes
P67	Yes	Yes	Yes	Yes
Q67	Yes	Yes	Yes	Yes
Z68	Yes	Yes	Yes	Yes
B75	Yes	Yes	Yes	Yes
H77	Yes	Yes	Yes	Yes
Q77	Yes	Yes	Yes	Yes
X79	Yes	Yes	Yes	Yes
Z77	Yes	Yes	Yes	Yes

Intel® Chipset

† For AMD platforms, only 9 Series chip-based motherboards support 512x8 based modules.

‡ Motherboard manufacturers such as ASUS, MSI, Gigabyte, etc. that make products based on these chipsets, can make changes to the BIOS to limit a specific motherboard.