

TUF Z270 Series

DDR4 3200 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)	
								2 DIMM	4 DIMM
G.SKILL	F4-3200C16Q-16GRR	16GB(4GB*4)	SS	Samsung	K4A4G085WD	16-16-16-36	1.35V	•	•
G.SKILL	F4-3200C16Q-16GRB	16GB(4GB*4)	SS	Samsung	K4A4G085WD	16-16-16-36	1.35V	•	•
G.SKILL	F4-3200C16Q-16GRK	16GB(4GB*4)	SS	Samsung	K4A4G085WD	16-16-16-36	1.35V	•	•
G.SKILL	F4-3200C16Q-32GTZ	32GB(8GB*4)	DS	Samsung	K4A4G085WD	16-18-18-38	1.35V	•	•
CORSAIR	CMD16GX4M4A3200C16	16GB(4GB*4)	SS			16-18-18-36	1.35V	•	•

DDR4 3300 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)	
								2 DIMM	4 DIMM
G.SKILL	F4-3300C16Q-16GRK	16GB(4GB*4)	SS	Samsung	K4A4G085WD	16-16-16-36	1.35V	•	•
CORSAIR	CMD16GX4M4B3300C16	16GB(4GB*4)	SS	Samsung	K4A4G085WD	16-18-18-36	1.35V	•	•

DDR4 3333 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)	
								2 DIMM	4 DIMM
G.SKILL	F4-3333C16Q-16GRKD	16GB(4GB*4)	SS	Samsung	K4A4G085WD	16-16-16-36	1.35V	•	•
CORSAIR	CMD16GX4M4B3333C16 ver4.23	16GB(4GB*4)	SS	Samsung	K4A4G085WD	16-18-18-36	1.35V	•	•

DDR4 3400 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)	
								2 DIMM	4 DIMM
A-DATA	AX4U3400W4G16-BRZ	4GB	SS			16-17-17-36	1.35V	•	

DDR4 3466 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)	
								2 DIMM	4 DIMM
G.SKILL	F4-3466C16D-8GRK	8GB(4GB*2)	SS			16-18-18-38	1.35V	•	
G.SKILL	F4-3466C16D-8GTZ	8GB(4GB*2)	SS			16-18-18-38	1.35V	•	
G.SKILL	F4-3466C16D-8GVK	8GB(4GB*2)	SS			16-18-18-38	1.35V	•	
G.SKILL	F4-3466C16Q-16GRK	16GB(4GB*4)	SS			16-18-18-38	1.35V	•	•
G.SKILL	F4-3466C16Q-16GTZ	16GB(4GB*4)	SS			16-18-18-38	1.35V	•	•
G.SKILL	F4-3466C16Q-16GVK	16GB(4GB*4)	SS			16-18-18-38	1.35V	•	•
G.SKILL	F4-3466C16D-16GRK	16GB(8GB*2)	SS			16-18-18-38	1.35V	•	
G.SKILL	F4-3466C16D-16GTZ	16GB(8GB*2)	SS			16-18-18-38	1.35V	•	
G.SKILL	F4-3466C16D-16GVK	16GB(8GB*2)	SS			16-18-18-38	1.35V	•	
G.SKILL	F4-3466C16Q-32GRK	32GB(8GB*4)	SS			16-18-18-38	1.35V	•	•
G.SKILL	F4-3466C16Q-32GTZ	32GB(8GB*4)	SS			16-18-18-38	1.35V	•	•
G.SKILL	F4-3466C16Q-32GVK	32GB(8GB*4)	SS			16-18-18-38	1.35V	•	•

DDR4 3600 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)	
								2 DIMM	4 DIMM
G.SKILL	F4-3600C17D-8GRK	8GB(4GB*2)	SS			17-18-18-38	1.35V	•	
G.SKILL	F4-3600C17D-8GVK	8GB(4GB*2)	SS			17-18-18-38	1.35V	•	
G.SKILL	F4-3600C17D-8GTZ	8GB(4GB*2)	SS			17-18-18-38	1.35V	•	
G.SKILL	F4-3600C17D-16GRK	16GB(8GB*2)	SS			16-16-16-36	1.35V	•	
G.SKILL	F4-3600C17D-16GVK	16GB(8GB*2)	SS			16-16-16-36	1.35V	•	
G.SKILL	F4-3600C17D-16GTZ	16GB(8GB*2)	SS			16-16-16-36	1.35V	•	
G.SKILL	F4-3600C17Q-16GRK	16GB(4GB*4)	SS			17-18-18-38	1.35V	•	•
G.SKILL	F4-3600C17Q-16GVK	16GB(4GB*4)	SS			17-18-18-38	1.35V	•	•
G.SKILL	F4-3600C17Q-16GTZ	16GB(4GB*4)	SS			17-18-18-38	1.35V	•	•
CORSAIR	CMK16GX4M2B3600C18 ver4.24	16GB(8GB*2)	SS			18-19-19-39	1.35V	•	
CORSAIR	CMD8GX4M2B3600C18 ver4.24	16GB(4GB*4)	SS			18-19-19-39	1.35V	•	•

4 DIMM Slots

For each DRAM channel (A,B), make sure to install the DRAM module to beige slot first.

- **1 DIMM:** Supports one (1) module inserted into any beige slot as Single-channel memory configuration. Install the module into the D1 slot for better compatibility.
- **2 DIMMs:** Supports two (2) modules inserted into one pair of beige slots as one pair of Dual-channel memory configuration. Install the modules into slots A1 and B1 for better compatibility.
- **4 DIMMs:** Supports 4 modules inserted into all slots as two pairs of Dual-channel memory configuration.

- Make sure to install the memory modules from the beige slots first.

- When installing total memory of 4GB capacity or more, Windows 32-bit operation system may only recognize less than 3GB. Hence, a total installed memory of less than 3GB is recommended.

- The default DIMM frequency depends on its Serial Presence Detect (SPD), which is the standard way of accessing information from a memory module. Under the default state, some memory modules for overclocking may operate at a lower frequency than the vendor-marked value

- Always install DIMMs with the same CAS latency. For optimal compatibility, we recommend that you install memory modules of the same version or date code (D/C) from the same vendor. Check with the retailer to get the correct memory modules.

- DIMM fan design may vary, make sure the fan can fit into the motherboard.