

Extreme Memory Profiles for Intel® Processors

Last revised: 2021.10.18

Speed	Voltage	Cas Latency / Timine	Kit Capacitv	DIMMs per Kit	Multi-Channel Kit	Socket	Manufacturer	Processor	DDR Technology	XMP Cert. Revision	Module Type	Part Number	Certified Board (board rev / min BIOS)	Date Added
5200MHz	1.1	40-40-40-76	16GB	2	Dual	LGA1700	G-Skill	Core™ i7-12700K	DDR5	0.6	U-DIMM	F5-5200J4040A16GX2-RSSK	ASUS ROG STRIX Z690-F GAMING WiFi (R1.02/0030)	10.6.2021
5200MHz	1.1	40-40-40-76	16GB	2	Dual	LGA1700	G-Skill	Core™ i7-12700K	DDR5	0.6	U-DIMM	F5-5200J4040A16GX2-RSSK	MSI PRO Z690-A WiFi7 (Q7.1M1)	10.6.2021
5200MHz	1.1	40-40-40-76	16GB	2	Dual	LGA1700	G-Skill	Core™ i7-12700K	DDR5	0.6	U-DIMM	F5-5200J4040A16GX2-RSSK	ASRock Z690 Taichi (1.01/3.348002)	10.6.2021
5200MHz	1.25	38-38-38-84	16GB	2	Dual	LGA1700	Corsair	Core™ i9-12900K	DDR5	0.6	U-DIMM	CMK32GX5M2X5200C38W	ASUS ROG STRIX Z690-F GAMING WiFi (R1.02/0072)	10.11.2021
5200MHz	1.25	38-38-38-84	16GB	2	Dual	LGA1700	Corsair	Core™ i9-12900K	DDR5	0.6	U-DIMM	CMK32GX5M2X5200C38W	MSI Z690 Gaming Carbon (1.0/TMG)	10.11.2021
5200MHz	1.25	38-38-38-84	16GB	2	Dual	LGA1700	Corsair	Core™ i9-12900K	DDR5	0.6	U-DIMM	CMK32GX5M2X5200C38W	Gigabyte Z690 AORUS Master (1.0/F5-d)	10.11.2021
4800MHz	1.1	34-35-35-69	16GB	2	Dual	LGA1700	Corsair	Core™ i9-12900K	DDR5	0.6	U-DIMM	CMT32GX5M2C4800C34W	ASUS ROG STRIX Z690-F GAMING WiFi (R1.02/0072)	10.11.2021
4800MHz	1.1	34-35-35-69	16GB	2	Dual	LGA1700	Corsair	Core™ i9-12900K	DDR5	0.6	U-DIMM	CMT32GX5M2C4800C34W	MSI Z690 Gaming Carbon (1.0/TMG)	10.11.2021
4800MHz	1.1	34-35-35-69	16GB	2	Dual	LGA1700	Corsair	Core™ i9-12900K	DDR5	0.6	U-DIMM	CMT32GX5M2C4800C34W	Gigabyte Z690 AORUS Master (1.0/F5-d)	10.11.2021
5200MHz	1.25	38-38-38-84	16GB	2	Dual	LGA1700	Corsair	Core™ i9-12900K	DDR5	0.6	U-DIMM	CMT32GX5M2X5200C38W	ASUS ROG STRIX Z690-F GAMING WiFi (R1.02/0072)	10.11.2021
5200MHz	1.25	38-38-38-84	16GB	2	Dual	LGA1700	Corsair	Core™ i9-12900K	DDR5	0.6	U-DIMM	CMT32GX5M2X5200C38W	MSI Z690 Gaming Carbon (1.0/TMG)	10.11.2021
5200MHz	1.25	38-38-38-84	16GB	2	Dual	LGA1700	Corsair	Core™ i9-12900K	DDR5	0.6	U-DIMM	CMT32GX5M2X5200C38W	Gigabyte Z690 AORUS Master (1.0/F5-d)	10.11.2021
6666MHz	1.35	40-40-40-76	16GB	2	Dual	LGA1700	G-Skill	Core™ i7-12700KF	DDR5	0.6	U-DIMM	F5-6666J4040F16GX2-T25R5	ASUS ROG STRIX Z690 APEX (R1.02/0072)	10.18.2021
6600MHz	1.35	40-40-40-76	16GB	2	Dual	LGA1700	G-Skill	Core™ i7-12700KF	DDR5	0.6	U-DIMM	F5-6600J4040F16GX2-T25R5	ASUS ROG STRIX Z690 APEX (R1.02/0072)	10.18.2021
6600MHz	1.35	40-40-40-76	16GB	2	Dual	LGA1700	G-Skill	Core™ i7-12700KF	DDR5	0.6	U-DIMM	F5-6600J4040F16GX2-T25R5	MSI MEG Z690 Unify-X (01A.05)	10.18.2021
6600MHz	1.35	40-40-40-76	16GB	2	Dual	LGA1700	G-Skill	Core™ i7-12700KF	DDR5	0.6	U-DIMM	F5-6600J4040F16GX2-T25R5	ASRock Z690 AQUA ICE (1.01/1.47)	10.18.2021
5200MHz	1.25	40-40-40-80	16GB	2	Dual	LGA1700	Kingston	Core™ i9-12900K	DDR5	0.6	U-DIMM	KFS52C08BHX2-32	ASUS ROG MAXIMUS XIV HERO (1.02/0604)	10.18.2021
5200MHz	1.25	40-40-40-80	16GB	2	Dual	LGA1700	Kingston	Core™ i9-12900K	DDR5	0.6	U-DIMM	KFS52C08BHX2-32	Gigabyte Z690 AORUS Master (1.0/F5-d)	10.18.2021
5200MHz	1.25	40-40-40-80	16GB	2	Dual	LGA1700	Kingston	Core™ i9-12900K	DDR5	0.6	U-DIMM	KFS52C08BHX2-32	MSI MPG Z690 Carbon WiFi (1.1/1.11)	10.18.2021
4800MHz	1.1	38-38-38-70	16GB	2	Dual	LGA1700	Kingston	Core™ i9-12900K	DDR5	0.6	U-DIMM	KFS48C38BHX2-32	ASUS ROG MAXIMUS XIV HERO (1.02/0604)	10.18.2021
4800MHz	1.1	38-38-38-70	16GB	2	Dual	LGA1700	Kingston	Core™ i9-12900K	DDR5	0.6	U-DIMM	KFS48C38BHX2-32	Gigabyte Z690 AORUS Master (1.0/F5-d)	10.18.2021
4800MHz	1.1	38-38-38-70	16GB	2	Dual	LGA1700	Kingston	Core™ i9-12900K	DDR5	0.6	U-DIMM	KFS48C38BHX2-32	MSI MPG Z690 Carbon WiFi (1.1/1.11)	10.18.2021