

Extreme Memory Profiles for Intel® Processors

Last revised: 2022.09.19														
Speed (MHz)	Voltage	Cap Latency / Timing	Kit Capacity	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
4800	1.1	34-35-35-69	32GB	2	Dual	LG41700	Corair	Core™ i9-12900K	DDR5	0.6	U-DIMM	CMF32GSM24800C34W	ASUS ROG STRIX Z690 Gaming WiFi1E (D.0/072)	10.11.2021
4800	1.1	34-35-35-69	32GB	2	Dual	LG41700	Corair	Core™ i9-12900K	DDR5	0.6	U-DIMM	CMF32GSM24800C34W	MSI Z690 Gaming Carbon WiFi (D.0/076)	10.11.2021
4800	1.1	34-35-35-69	32GB	2	Dual	LG41700	Corair	Core™ i9-12900K	DDR5	0.6	U-DIMM	CMF32GSM24800C34W	ASUS ROG ADRUS MASTER (L.0/054)	10.11.2021
4800	1.1	38-38-38-70	32GB	2	Dual	LG41700	Kingston	Core™ i9-12900K	DDR5	0.6	U-DIMM	KF548C38BBK2-32	ASUS ROG Maximus XIV HERO (L.0/2/064)	10.18.2021
4800	1.1	38-38-38-70	32GB	2	Dual	LG41700	Kingston	Core™ i9-12900K	DDR5	0.6	U-DIMM	KF548C38BBK2-32	MSI MPG Z690 Carbon WiFi (L.1/11)	10.18.2021
4800	1.1	36-36-36-77	32GB	2	Dual	LG41700	Team Group	Core™ i5-12600K	DDR5	0.9	U-DIMM	FLBDS32G600CHC40C01	BIOSAT Z690 Valkyrie (S.0/5_24)	01.19.2022
4800	1.1	38-38-38-70	16GB	2	Dual	FC9G41714	Kingston	Core™ i7-12700H	DDR5	0.9	SO-DIMM	F548S38BBK2-16	GIGABYTE AORUS I711(S/F)	02.23.2022
4800	1.1	38-38-38-70	32GB	2	Dual	FC9G41714	Kingston	Core™ i7-12700H	DDR5	0.9	SO-DIMM	F548S38BBK2-32	GIGABYTE AORUS I711(S/F)	02.23.2022
4800	1.1	38-38-38-70	32GB	2	Dual	LG41700	Kingston	Core™ i7-12700K	DDR5	0.9	U-DIMM	KF548C38BBK2-32	GIGABYTE Z690 AORUS MASTER (REV.1.0/078)	9.12.2022
4800	1.1	38-38-38-70	32GB	2	Dual	LG41700	Kingston	Core™ i5-12600F	DDR5	0.9	U-DIMM	KF548C38BBK2-32	ASUS PRIME Z690 P1RL (D. / 3401)	9.12.2022
4800	1.1	38-38-38-70	64GB	2	Dual	LG41700	Kingston	Core™ i9-12900K	DDR5	0.9	U-DIMM	KF548C38BBK2-64	MSI MEG Z690 UNIFY (L.0 / 1.31)	9.12.2022
5200	1.1	40-40-40-76	32GB	2	Dual	LG41700	G-Skill	Core™ i7-12700K	DDR5	0.6	U-DIMM	FS-5200A40D416GK2-R5K5	ASUS ROG STRIX Z690 Gaming WiFi1E (D.0/050)	10.6.2021
5200	1.1	40-40-40-76	32GB	2	Dual	LG41700	G-Skill	Core™ i7-12700K	DDR5	0.6	U-DIMM	FS-5200A40D416GK2-R5K5	MSI PRO Z690-A WIFI7 (D.0/1)	9.12.2022
5200	1.1	40-40-40-76	32GB	2	Dual	LG41700	G-Skill	Core™ i7-12700K	DDR5	0.6	U-DIMM	FS-5200A40D416GK2-R5K5	ASRock Z690 TAICH (D.1/1.348002)	10.6.2021
5200	1.25	38-38-38-84	32GB	2	Dual	LG41700	Corair	Core™ i9-12900K	DDR5	0.6	U-DIMM	CMK32GSM2S20C38 / CMK32GSM2S20C38W	ASUS ROG STRIX Z690 Gaming WiFi1E (D.0/072)	10.11.2021
5200	1.25	38-38-38-84	32GB	2	Dual	LG41700	Corair	Core™ i9-12900K	DDR5	0.6	U-DIMM	CMK32GSM2S20C38 / CMK32GSM2S20C38W	MSI Z690 Gaming Carbon (L.0/7M)	10.11.2021
5200	1.25	38-38-38-84	32GB	2	Dual	LG41700	Corair	Core™ i9-12900K	DDR5	0.6	U-DIMM	CMK32GSM2S20C38 / CMK32GSM2S20C38W	GIGABYTE Z690 AORUS Master (L.0/054)	10.11.2021
5200	1.25	38-38-38-84	32GB	2	Dual	LG41700	Corair	Core™ i9-12900K	DDR5	0.6	U-DIMM	CMK32GSM2S20C38 / CMK32GSM2S20C38W	ASUS ROG STRIX Z690 Gaming WiFi1E (D.0/072)	10.11.2021
5200	1.25	38-38-38-84	32GB	2	Dual	LG41700	Corair	Core™ i9-12900K	DDR5	0.6	U-DIMM	CMK32GSM2S20C38 / CMK32GSM2S20C38W	MSI Z690 Gaming Carbon (L.0/7M)	10.11.2021
5200	1.25	40-40-40-80	32GB	2	Dual	LG41700	Corair	Core™ i9-12900K	DDR5	0.6	U-DIMM	CMK32GSM2S20C38 / CMK32GSM2S20C38W	ASUS ROG Maximus XV HERO (L.0/2/064)	10.18.2021
5200	1.25	40-40-40-80	32GB	2	Dual	LG41700	Kingston	Core™ i9-12900K	DDR5	0.6	U-DIMM	KF552C40BBK2-32	GIGABYTE Z690 AORUS Master (L.0/054)	10.18.2021
5200	1.25	40-40-40-80	32GB	2	Dual	LG41700	Kingston	Core™ i5-12600F	DDR5	0.6	U-DIMM	KF552C40BBK2-32	MSI MPG Z690 Carbon WiFi (L.1/11)	10.18.2021
5200	1.2	38-38-38-84	32GB	2	Dual	LG41700	Team Group	Core™ i5-12600K	DDR5	0.9	U-DIMM	FLBDS32G600CHC40C01	GIGABYTE Z690 AORUS Master (REV.1/07)	01.04.2022
5200	1.25	38-38-38-76	16GB	2	Dual	LG41700	ADATA	Core™ i7-12700K	DDR5	0.9	U-DIMM	AX5US2003816G-8	ASUS ROG Maximus Z690 HERO (L.0/070)	01.04.2022
5200	1.25	38-38-38-76	16GB	2	Dual	LG41700	ADATA	Core™ i5-12600F	DDR5	0.9	U-DIMM	AX5US2003816G-8	ASUS ROG STRIX Z690 Gaming WiFi1E (D.0/070)	01.04.2022
5200	1.25	38-38-38-76	16GB	2	Dual	LG41700	ADATA	Core™ i5-12600F	DDR5	0.9	U-DIMM	AX5US2003816G-8	MSI PRO Z690-A WIFI (D.0/1)	01.04.2022
5200	1.25	38-38-38-84	64GB	2	Dual	LG41700	Corair	Core™ i9-12900K	DDR5	0.9	U-DIMM	CMT64GSM2S20C38 / CMT64GSM2S20C38W	ASUS ROG STRIX Z690 Gaming WiFi1E (D.0/072)	01.04.2022
5200	1.25	38-38-38-84	64GB	2	Dual	LG41700	Corair	Core™ i9-12900K	DDR5	0.9	U-DIMM	CMT64GSM2S20C38 / CMT64GSM2S20C38W	MSI MPG Z690 Gaming Carbon (L.0/7M)	01.04.2022
5200	1.25	40-40-40-76	32GB	2	Dual	LG41700	Kingston	Core™ i5-12600K	DDR5	0.9	U-DIMM	CMT64GSM2S20C38 / CMT64GSM2S20C38W	GIGABYTE Z690 AORUS Master (L.0/054)	01.04.2022
5200	1.25	40-40-40-76	32GB	2	Dual	LG41700	Team Group	Core™ i5-12600K	DDR5	0.9	U-DIMM	FLBDS32G600CHC40C01	ASRock Z690 Phantom Gaming A5S (L.0/1_02)	01.19.2022
5200	1.25	40-40-40-80	16GB	2	Dual	LG41700	Kingston	Core™ i9-12900K	DDR5	0.9	U-DIMM	KF552C40BBK2-16	MSI MEG Z690 UNIFY (L.0 / 1.31)	9.12.2022
5200	1.25	40-40-40-80	32GB	2	Dual	LG41700	Kingston	Core™ i7-12700K	DDR5	0.9	U-DIMM	KF552C40BBK2-32	GIGABYTE Z690 AORUS MASTER (REV.1.0/078)	9.12.2022
5200	1.25	40-40-40-80	64GB	2	Dual	LG41700	Kingston	Core™ i5-12600F	DDR5	0.9	U-DIMM	KF552C40BBK2-64	ASUS PRIME Z690 P1RL (D. / 3401)	9.12.2022
5200	1.25	40-40-40-80	8GB	1	Dual	LG41700	Kingston	Core™ i7-13700F	DDR5	0.9	U-DIMM	HP52L4056HM-8FA	HP OMEN Z790 ARCTIC (B.18)	9.12.2022
5200	1.25	40-40-40-80	8GB	1	Dual	LG41700	Kingston	Core™ i7-13700F	DDR5	0.9	U-DIMM	HP52L4056HM-8FA	HP OMEN Z790 ARCTIC (B.18)	9.12.2022
5200	1.25	40-40-40-80	8GB	1	Dual	LG41700	Kingston	Core™ i7-13700F	DDR5	0.9	U-DIMM	HP52L4056HM-8FA	HP OMEN Z790 ARCTIC (B.18)	9.12.2022
5600	1.25	40-40-40-80	32GB	2	Dual	LG41700	Kingston	Core™ i5-12600F	DDR5	0.9	U-DIMM	KF556C40BBK2-32	MSI MEG Z690 UNIFY-X (MS-7028) (J.A.12)	01.04.2022
5600	1.25	40-40-40-80	32GB	2	Dual	LG41700	Kingston	Core™ i9-12900K	DDR5	0.9	U-DIMM	KF556C40BBK2-32	GIGABYTE Z690 AORUS Master (L.0/054)	01.04.2022
5600	1.25	40-40-40-80	32GB	2	Dual	LG41700	Kingston	Core™ i5-12600F	DDR5	0.9	U-DIMM	KF556C40BBK2-32	ASUS ROG Maximus Z690 Hero (J.0801)	01.04.2022
5600	1.25	40-40-40-80	32GB	2	Dual	LG41700	Kingston	Core™ i5-12600F	DDR5	0.9	U-DIMM	KF556C40BBK2-32	ASRock Z690 AQUA OC (L.0/1_47)	01.04.2022
5600	1.25	36-36-36-76	32GB	2	Dual	LG41700	Corair	Core™ i9-12900F	DDR5	0.9	U-DIMM	CMT32GSM2S600C36 / CMT32GSM2S600C36W	ASUS ROG STRIX Z690 Gaming WiFi1E (D.0/070)	02.16.2022
5600	1.25	36-36-36-76	32GB	2	Dual	LG41700	Corair	Core™ i9-12900F	DDR5	0.9	U-DIMM	CMT32GSM2S600C36 / CMT32GSM2S600C36W	MSI MPG Z690 Gaming Carbon (L.0/1.15)	02.16.2022
5600	1.25	36-36-36-76	32GB	2	Dual	LG41700	Corair	Core™ i9-12900F	DDR5	0.9	U-DIMM	CMT32GSM2S600C36 / CMT32GSM2S600C36W	GIGABYTE Z690 AORUS Master (L.0/071)	02.16.2022
5600	1.25	36-36-36-76	32GB	2	Dual	LG41700	Corair	Core™ i9-12900F	DDR5	0.9	U-DIMM	CMT32GSM2S600C36 / CMT32GSM2S600C36W	ASRock Z690 Taichi (L.0/1_06)	02.16.2022
5600	1.25	40-40-40-77	32GB	2	Dual	LG41700	Corair	Core™ i9-12900F	DDR5	0.9	U-DIMM	CMT32GSM2S600C40 / CMT32GSM2S600C40W	ASUS ROG STRIX Z690 Gaming WiFi1E (D.0/070)	02.16.2022
5600	1.25	40-40-40-77	32GB	2	Dual	LG41700	Corair	Core™ i9-12900F	DDR5	0.9	U-DIMM	CMT32GSM2S600C40 / CMT32GSM2S600C40W	MSI MPG Z690 Gaming Carbon (L.0/1.15)	02.16.2022
5600	1.25	40-40-40-77	32GB	2	Dual	LG41700	Corair	Core™ i9-12900F	DDR5	0.9	U-DIMM	CMT32GSM2S600C40 / CMT32GSM2S600C40W	GIGABYTE Z690 AORUS Master (L.0/071)	02.16.2022
5600	1.25	40-40-40-77	32GB	2	Dual	LG41700	Corair	Core™ i9-12900F	DDR5	0.9	U-DIMM	CMT32GSM2S600C40 / CMT32GSM2S600C40W	ASRock Z690 Taichi (L.0/1_06)	02.16.2022
5600	1.25	40-40-40-80	64GB	2	Dual	LG41700	Kingston	Core™ i9-12900K	DDR5	0.9	U-DIMM	KF556C40BBK2-64	GIGABYTE Z690 AORUS Master (REV.1.0/078)	02.23.2022
5600	1.25	40-40-40-80	64GB	2	Dual	LG41700	Kingston	Core™ i5-12600F	DDR5	0.9	U-DIMM	KF556C40BBK2-64	MSI MEG Z690 UNIFY-X (MS-7028) (J.A.12)	02.23.2022
5600	1.25	40-40-40-80	64GB	2	Dual	LG41700	Kingston	Core™ i9-12900K	DDR5	0.9	U-DIMM	KF556C40BBK2-64	ASUS PRIME Z690 P1RL (D.0/050)	9.12.2022
5600	1.35	28-34-38-89	32GB	2	Dual	LG41700	G-Skill	Core™ i7-12700F	DDR5	0.9	U-DIMM	FS-5600Z34F16GK2-Z7S5	ASUS PRIME Z690 P1RL (D.0/050)	6.24.2022
5600	1.35	28-34-38-89	32GB	2	Dual	LG41700	G-Skill	Core™ i7-12700F	DDR5	0.9	U-DIMM	FS-5600Z34F16GK2-Z7S5	MSI Z690 CARBON WiFi	6.24.2022
5600	1.35	28-34-38-89	32GB	2	Dual	LG41700	G-Skill	Core™ i7-12700F	DDR5	0.9	U-DIMM	FS-5600Z34F16GK2-Z7S5	GIGABYTE Z690 AORUS XTREME	6.24.2022
5600	1.35	28-34-38-89	32GB	2	Dual	LG41700	G-Skill	Core™ i7-12700F	DDR5	0.9	U-DIMM	FS-5600Z34F16GK2-Z7S5	ASUS MAXIMUS Z690 HERO	6.24.2022
5600	1.35	28-34-38-89	32GB	2	Dual	LG41700	G-Skill	Core™ i7-12700F	DDR5	0.9	U-DIMM	FS-5600Z34F16GK2-Z7S5	ASRock Z690 Taichi	6.24.2022
5600	1.35	28-34-38-89	32GB	2	Dual	LG41700	G-Skill	Core™ i7-12700F	DDR5	0.9	U-DIMM	FS-5600Z34F16GK2-Z7S5	MSI Z690 CLASSIFIED	6.24.2022
5600	1.35	13-36-36-76	32GB	2	Dual	LG41700	Corair	Core™ i9-12900K	DDR5	0.9	U-DIMM	CMK32GSM2S600C32	ASUS ROG Maximus Z690 HERO	8.4.2022
5600	1.25	40-40-40-80	16GB	2	Dual	LG41700	Kingston	Core™ i7-12700K	DDR5	0.9	U-DIMM	KF556C40BBK2-16	GIGABYTE Z690 AORUS MASTER (REV.1.0/078)	9.12.2022
5600	1.25	40-40-40-80	32GB	2	Dual	LG41700	Kingston	Core™ i9-12900K	DDR5	0.9	U-DIMM	KF556C40BBK2-32	MSI MEG Z690 UNIFY (L.0 / 1.31)	9.12.2022
5600	1.25	40-40-40-80	64GB	2	Dual	LG41700	Kingston	Core™ i5-12600F	DDR5	0.9	U-DIMM	KF556C40BBK2-64	ASUS PRIME Z690 P1RL (D. / 3401)	9.12.2022
5600	1.25	40-40-40-80	64GB	2	Dual	LG41700	Kingston	Core™ i9-12900K	DDR5	0.9	U-DIMM	KF556C40BBK2-64	ASRock Z690 AQUA OC (REV. 1.0 / 4.05)	9.12.2022
6000	1.35	40-40-40-80	32GB	2	Dual									

7200	1.4	34-44-44-115	32GB	2	Dual	LGAI700	G-Skill	Core™ i9-13900K	DDR5	0.9	U-DIMM	F5-7200J444G16GX2-TZ5RK	ASUS ROG MAXIMUS Z790 HERO (R1.01,0219)	9.12.2022
7200	1.4	34-44-44-115	32GB	2	Dual	LGAI700	G-Skill	Core™ i9-13900K	DDR5	0.9	U-DIMM	F5-7200J444G16GX2-TZ5RK	ASUS ROG MAXIMUS Z790 APEX (R1.01,0057)	9.12.2022
7200	1.4	36-46-46-115	64GB	2	Dual	LGAI700	G-Skill	Core™ i9-13900K	DDR5	0.9	U-DIMM	F5-7200J844G32GX2-TZ5RK	ASUS ROG MAXIMUS Z790 APEX (R1.01,0057)	9.12.2022
7200	1.4	34-42-42-84	32GB	2	Dual	LGAI700	Team Group	Core™ i9-13900K	DDR5	0.9	U-DIMM	FLRDS32G7200HC34ADC01	ASUS ROG STRIX Z790-F GAMING WIFI (R1.01,0118)	9.12.2022
7200	1.45	38-44-44-105	32GB	2	Dual	LGAI700	Kingston	Core™ i9-13900K	DDR5	0.9	U-DIMM	KF572C38RS4K2-32	GIGABYTE Z790 AORUS XTREME (REV.0.3 / T0d)	9.12.2022
7200	1.45	38-44-44-105	32GB	2	Dual	LGAI700	Kingston	Core™ i9-13900K	DDR5	0.9	U-DIMM	KF572C38RS4K2-32	GIGABYTE Z790 AORUS XTREME (REV.0.3 / T0d)	9.12.2022
7200	1.5	34-46-46-86	16GB	2	Dual	LGAI700	ADATA	Core™ i9-13900K	DDR5	0.9	U-DIMM	H5CG48MB8D0014	ASUS ROG MAXIMUS Z790 APEX	9.12.2022
7200	1.5	34-46-46-86	16GB	2	Dual	LGAI700	ADATA	Core™ i7-13700K	DDR5	0.9	U-DIMM	H5CG48MB8D0014	ASUS ROG MAXIMUS Z790 APEX	9.12.2022
7200	1.5	34-46-46-86	16GB	2	Dual	LGAI700	ADATA	Core™ i9-13900K	DDR5	0.9	U-DIMM	H5CG48MB8D0014	MSI MPG Z790 VISION WIFI	9.12.2022
7200	1.5	34-46-46-86	16GB	2	Dual	LGAI700	ADATA	Core™ i7-13700K	DDR5	0.9	U-DIMM	H5CG48MB8D0014	MSI MPG Z790 VISION WIFI	9.12.2022
7200	1.5	34-46-46-86	16GB	2	Dual	LGAI700	ADATA	Core™ i9-13900K	DDR5	0.9	U-DIMM	H5CG48MB8D0014	GIGABYTE Z790 AORUS TACHYON	9.12.2022
7200	1.5	34-46-46-86	16GB	2	Dual	LGAI700	ADATA	Core™ i7-13700K	DDR5	0.9	U-DIMM	H5CG48MB8D0014	GIGABYTE Z790 AORUS TACHYON	9.12.2022
7200	1.4	34-45-45-115	64GB	2	Dual	LGAI700	G-Skill	Core™ i9-13900K	DDR5	0.9	U-DIMM	F5-7200J844G32GX2-TZ5RK	ASUS ROG MAXIMUS Z790 APEX	10.18.2022
7400	1.4	36-46-46-118	32GB	2	Dual	LGAI700	G-Skill	Core™ i9-13900K	DDR5	0.9	U-DIMM	F5-7400J844G32GX2-TZ5RK	ASUS ROG MAXIMUS Z790 APEX	10.18.2022
7466	1.4	36-48-48-119	32GB	2	Dual	LGAI700	G-Skill	Core™ i9-13900K	DDR5	0.9	U-DIMM	F5-7466J848G16GX2-TZ5RK	ASUS ROG MAXIMUS Z790 HERO (R1.01,0219)	9.12.2022
7466	1.4	36-48-48-119	32GB	2	Dual	LGAI700	G-Skill	Core™ i9-13900K	DDR5	0.9	U-DIMM	F5-7466J848G16GX2-TZ5RK	ASUS ROG MAXIMUS Z790 APEX (R1.01,0057)	9.12.2022
7600	1.4	36-48-48-121	32GB	2	Dual	LGAI700	G-Skill	Core™ i9-13900K	DDR5	0.9	U-DIMM	F5-7600J848G16GX2-TZ5RK	ASUS ROG MAXIMUS Z790 APEX (R1.01,0057)	9.12.2022
7800	1.4	38-48-48-125	32GB	2	Dual	LGAI700	G-Skill	Core™ i9-13900K	DDR5	0.9	U-DIMM	F5-7800J848G16GX2-TZ5RK	ASUS ROG MAXIMUS Z790 APEX	10.18.2022
8000	1.4	38-48-48-128	32GB	2	Dual	LGAI700	G-Skill	Core™ i9-13900K	DDR5	0.9	U-DIMM	F5-7600J848G16GX2-TZ5RK	ASUS ROG MAXIMUS Z790 APEX	10.18.2022