M4A87TD/USB3, M4A87TD Memory Qualified Vendors List (QVL)

1. Due to CPU spec., AMD 100 and 200 series CPUs support up to DDR3 1066MHz. With ASUS design, this motherboard can support up to DDR3 1333MHz.
2. When overclocking, some AMD CPU models may not support DDR3 1600 or higher frequency DIMMs.

DDR3 1600 Qualified Vendors List (QVL)

	Part No.	Size	SS/DS	Timing	Voltage	DIMM socket support (Optional)		
						1 DIMM	2 DIMM	4 DIMM
A-DATA	AD31600G001GMU	1GB	SS	9-9-9-24	1.65~1.85	●		
A-DATA	AX3U1600GB1G9-AG	2GB(2 x 1GB)	SS	9-9-9-24	1.65~1.85	●		
A-DATA	AX3U1600PB1G8-2P	2GB(2 x 1GB)	SS	8-8-8-24	1.65-1.85	●	●	●
A-DATA	AD31600E001GMU	3GB(3 x 1GB)	SS	8-8-8-24	1.65-1.85	●	●	●
A-DATA	AX3U1600GB1G9-3G	3GB(3 x 1GB)	SS	9-9-9-24	1.65~1.85	●		
A-DATA	AX3U1600PB1G8-3P	3GB(3 x 1GB)	SS	8-8-8-24	1.65-1.85	●	●	●
A-DATA	AX3U1600GB2G9-AG(XMP)	4GB(2 x 2GB)	DS	9-9-9-24	1.65~1.85	●	●	●
A-DATA	AX3U1600XB2G7-EF(XMP)	4GB(2 x 2GB)	DS	7-7-7-20	1.75-1.85	●	●	●
A-DATA	AD31600F002GMU(XMP)	6GB(3 x 2GB)	DS	7-7-7-20	1.75-1.85	●	●	●
A-DATA	AX3U1600GB2G9-3G(XMP)	6GB(3 x 2GB)	DS	9-9-9-24	1.65~1.85	●	●	●
A-DATA	AX3U1600GB2G9-3G	6GB(3 x 2GB)	DS	9-9-9-24	1.65~1.85	●	●	
A-DATA	AX3U1600XB2G7-FF(XMP)	6GB(3 x 2GB)	DS	7-7-7-20	1.75-1.85	●	●	●
CORSAIR	TR3X3G1600C8DVer2.1(XMP)	3GB(3 x 1GB)	SS	8-8-8-24	1.65	●	●	
CORSAIR	TR3X3G1600C9Ver1.1(XMP)	3GB(3 x 1GB)	SS	9-9-9-24	1.65	●		
CORSAIR	CMD4GX3M2A1600C8(XMP)	4GB(2 x 2GB)	DS	8-8-8-24	1.65	●	●	●
CORSAIR	CMG4GX3M2A1600C7(XMP)	4GB(2 x 2GB)	DS	7-7-7-20	1.65	●		
CORSAIR	CMX4GX3M2A1600C9(XMP)	4GB(2 x 2GB)	DS	9-9-9-24	1.65	●	●	●
CORSAIR	TR3X6G1600C8D	6GB(3 x 2GB)	DS	8-8-8-24	1.65	●		
CORSAIR	TR3X6G1600C8DVer2.1(XMP)	6GB(3 x 2GB)	DS	8-8-8-24	1.65	●	●	●
CORSAIR	CMD8GX3M4A1600C8(XMP)	8GB(4 x 2GB)	DS	8-8-8-24	1.65	●	●	●
CORSAIR	CMX8GX3M4A1600C9(XMP)	8GB(4 x 2GB)	DS	9-9-9-24	1.65	●	●	
Crucial	BL25664BN1608.16FF(XMP)	2GB	DS	8-8-8-24	1.65	●	●	●
G.SKILL	F3-12800CL9D-2GBNQ	2GB(2 x 1GB)	SS	-	1.6	●	●	
G.SKILL	F3-12800CL9D-4GBRL	2GB(2 x 1GB)	SS	-	1.6	●	●	
G.SKILL	F3-12800CL7D-4GBECO(XMP)	4GB(2 x 2GB)	DS	7-8-7-24	-	●	●	●
G.SKILL	F3-12800CL7D-4GBRH(XMP)	4GB(2 x 2GB)	DS	7-7-7-24	1.65	●	●	●
G.SKILL	F3-12800CL8D-4GBRM(XMP)	4GB(2 x 2GB)	DS	8-8-8-24	1.6	●	●	●
G.SKILL	F3-12800CL9D-4GBECO(XMP)	4GB(2 x 2GB)	DS	9-9-9-24	1.35	●	●	●
G.SKILL	F3-12800CL8T-6GBPI(XMP)	6GB(3 x 2GB)	DS	8-8-8-21	1.6~1.65	●	●	
G.SKILL	F3-12800CL9T-6GBNQ	6GB(3 x 2GB)	DS	9-9-9-24	1.5-1.6	●	●	●
KINGMAX	FLGD45F-B8MF7(XMP)	1GB	SS		-	●	●	●
KINGMAX	FLGE85F-B8MF7(XMP)	2GB	DS		-	●	●	●
KINGSTON	KHX1600C9D3K3/12GX(XMP)	12GB(3 x 4GB)	DS	-	1.65	●	●	●
KINGSTON	KHX1600C9D3K3/12GX(XMP)	12GB(3 x 4GB)	DS	9	1.65	●		●
KINGSTON	KHX1600C8D3K2/4GX(XMP)	4GB(2 x 2GB)	DS	8	1.65	●	●	
KINGSTON	KHX1600C8D3K2/4GX(XMP)	4GB(2 x 2GB)	DS	8	1.65	●	●	●
KINGSTON	KHX1600C8D3T1K2/4GX(XMP	4GB(2 x 2GB)	DS	8	1.65	●	●	●
KINGSTON	KHX1600C9D3K2/4G	4GB(2 x 2GB)	DS	-	1.7~1.9	●	●	●
KINGSTON	KHX1600C9D3K3/6GX(XMP)	6GB(3 x 2GB)	DS	9	1.65	●	●	●
OCZ	OCZ3G1600LV3GK	3GB(3 x 1GB)	SS	8-8-8	1.65		●	
OCZ	OCZ3BE1600C8LV4GK	4GB(2x 2GB)	DS	8-8-8	1.65	●	●	
OCZ	OCZ3P1600EB4GK	4GB(2 x 2GB)	DS	7-7-6	1.8			●
OCZ	OCZ3P1600LV4GK	4GB(2 x 2GB)	DS	7-7-7	1.65	●		
OCZ	OCZ3X16004GK(XMP)	4GB(2 x 2GB)	DS	7-7-7	1.9	●	●	●
OCZ	OCZ3X1600LV4GK(XMP)	4GB(2 x 2GB)	DS	8-8-8	1.65	●	●	●
OCZ	OCZ3FXE1600C7LV6GK	6GB(3 x 2GB)	DS	7-7-7	1.65	●		
OCZ	OCZ3X1600LV6GK(XMP)	6GB(3 x 2GB)	DS	8-8-8	1.65	●		
OCZ	OCZ3X1600LV6GK(XMP)	6GB(3 x 2GB)	DS	8-8-8	1.65	●		
Super Talent	WB160UX6G8(XMP)	6GB(3 x 2GB)	DS	-	-	●		
Super Talent	WB160UX6G8(XMP)	6GB(3 x 2GB)	DS	8	-			●
EK Memory	EKM324L28BP8-I16(XMP)	4GB(2 x 2GB)	DS	9	-	●	●	●
Elixir	M2Y2G64CB8HA9N-DG(XMP)	2GB	DS	-	-	●	●	●
Mushkin	996657	4GB(2 x 2GB)	DS	7-7-7-20	-	●	●	
Mushkin	998659(XMP)	6GB(3 x 2GB)	DS	9-9-9-24	1.5-1.6	●	●	●
Patriot	PVT33G1600ELK	3GB(3 x 1GB)	SS	9-9-9-24	1.65	●	●	●
PATRIOT	PGS34G1600LLKA	4GB(2 x 2GB)	DS	7-7-7-20	1.7	●		
Patriot	PVS34G1600ELK	4GB(2 x 2GB)	DS	9-9-9-24	1.8	●		
Patriot	PVS34G1600LLK(XMP)	4GB(2 x 2GB)	DS	7-7-7-20	1.9		●	
Patriot	PVS34G1600LLKN	4GB(2 x 2GB)	DS	7-7-7-20	2.0	●		
Patriot	PVT36G1600ELK	6GB(3 x 2GB)	DS	9-9-9-24	1.65	●	●	●
Patriot	PVT36G1600ELK	6GB(3 x 2GB)	DS	9-9-9-24	1.65	●		●

DDR3 1333 Qualified Vendors List (QVL)

	Part No.	Size	SS/DS	Timing	Voltage	DIMM socket support	
						2 DIMM	4 DIMM
A-DATA	AD3133301GOU	1GB	SS	-	-	●	●
A-DATA	AD31333002GOU	2GB	DS	-	-	●	●
Apacer	78.A1GC6.9L1	2GB	DS	9	-	●	●
CORSAIR	TR3X3G1333C9 (Ver2.1)	3GB(3 x 1GB)	SS	9-9-9-24	1.5	●	●
CORSAIR	CM3X2G1333C9	2GB	DS	9-9-9-24	1.5	●	●

Crucial	CT12864BA1339.8FF	1GB	SS	9	-	●	●
Crucial	CT25664BA1339.16FF	2GB	DS	9	-	●	●
ELPIDA	EBJ10UE8BAW0-DJ-E	1GB	SS	9	-	●	●
ELPIDA	EBJ21UE8BAW0-DJ-E	2GB	DS	9	-	●	●
G.SKILL	F3-10600CL8D-2GBHK	2GB(2 x 1GB)	SS	-	1.65	●	●
G.SKILL	F3-10666CL8D-4GBECO(XMP)	4GB(2 x 2GB)	DS	8-8-8-24	1.35	●	●
GEIL	GG34GB1333C9DC	4GB(2 x 2GB)	DS	9-9-9-24	1.3	●	
GEIL	GV34GB1333C7DC	4GB(2 x 2GB)	DS	7-7-7-24	1.5	●	●
Hynix	HMT112U6BFR8C-H9	1GB	SS	9	-	●	●
Hynix	HMT125U6BFR8C-H9	2GB	DS	9	-	●	●
KINGMAX	FLFD45F-B8KG9	1GB	SS		-	●	●
KINGMAX	FLFE85F-B8KG9	2GB	DS		-	●	●
KINGSTON	KVR1333D3N9/1G	1G	SS	-	1.5	●	●
KINGSTON	KVR1333D3E9S/4G	4GB	DS	-	1.5	●	●
MICRON	MT8JTF12864AZ-1G4F1	1GB	SS	9	-	●	●
MICRON	MT16JF25664AZ-1G4F1	2GB	DS	9	-	●	●
OCZ	OCZ3P1333LV3GK	3GB(3 x 1GB)	SS	7-7-7	1.65	●	●
OCZ	OCZ3P1333LV6GK	6GB(3 x 2GB)	DS	7-7-7	1.65	●	●
PSC	AL7F8G73D-DG1	1GB	SS	-	-	●	●
PSC	AL8F8G73D-DG1	2GB	DS	-	-	●	●
SAMSUNG	M391B2873DZ1-CH9	1GB	SS	9	-	●	●
SAMSUNG	M378B5673DZ1-CH9	2GB	DS	9	-	●	●
Super Talent	W1333UX2G8(XMP)	2GB(2 x 1GB)	SS	8	1.8	●	●

DDR3 1800 (O.C.) Qualified Vendors List (QVL)

	Part No.	Size	SS/DS	Timing	Voltage	DIMM socket support (Optional)		
						1 DIMM	2 DIMM	4 DIMM
G.SKILL	F3-14400CL9D-4GBRL(XMP)	4GB(2 x 2GB)	DS	9-9-9-24	1.6	●		
KINGSTON	KHX1800C9D3T1K3/6GX(XMP	6GB(3 x 2GB)	DS	-	1.65	●		●
OCZ	OCZ3P18004GK	4GB(2 x 2GB)	DS	8	1.9	●		

DDR3 1866 (O.C.) Qualified Vendors List (QVL)

	Part No.	Size	SS/DS	Timing	Voltage	DIMM socket support (Optional)		
						1 DIMM	2 DIMM	4 DIMM
CORSAIR	TR3X6G1866C9DVer4.1(XMP)	6GB(3 x 2GB)	DS	9-9-9-24	1.65	●		
CORSAIR	CMG4GX3M2A2000C8(XMP)	4GB(2 x 2GB)	DS	8-8-8-24	1.65	●		
G.SKILL	F3-16000CL7T-6GBPS(XMP)	6GB(3 x 2GB)	DS	7-8-7-20	1.65	●		
G.SKILL	F3-16000CL9T-6GBPS(XMP)	6GB(3 x 2GB)	DS	9-9-9-24	1.65	●		
GEIL	GU34GB2000C9DC(XMP)	4GB(2 x 2GB)	DS	9-9-9-28	2	●		
GEIL	GU34GB2000C9DC(XMP)	4GB(2 x 2GB)	DS	9-9-9-28	1.65	●		
GEIL	GE38GB2000C9QC(XMP)	8GB(4 x 2GB)	DS	9-9-9-28	1.65	●		
KINGSTON	KHX2000C8D3T1K3/3GX(XMP	3GB(3 x 1GB)	SS	8	1.65	●		
KINGSTON	KHX2000C8D3T1K3/6GX(XMP	6GB(3 x 2GB)	DS	8	1.65	●		
KINGSTON	KHX2000C9D3T1FK3/6GX(XM	6GB(3 x 2GB)	DS	9	1.65	●		
KINGSTON	KHX2000C9D3T1K3/6GX(XMP	6GB(3 x 2GB)	DS	9	1.65	●		
OCZ	OCZ3B2000LV6GK	6GB(3 x 2GB)	DS	7-8-7	1.65	●		
OCZ	OCZ3B2000LV6GK	6GB(3 x 2GB)	DS	7-8-7	1.65	●		
G.SKILL	F3-17066CL8D-4GBPS(XMP)	4GB(2 x 2GB)	DS	8-8-8-24	1.65	●		
G.SKILL	F3-17066CL9D-4GBTD(XMP)	4GB(2 x 2GB)	DS	9-9-9-24	1.65	●		
G.SKILL	F3-17066CL9T-6GB-T	6GB(3 x 2GB)	DS	9-9-9-24	1.65	●		
GEIL	GE34GB2133C9DC(XMP)	4GB(2 x 2GB)	DS	9-9-9-28	1.65	●		
GEIL	GU34GB2133C9DC(XMP)	4GB(2 x 2GB)	DS	9-9-9-28	1.65	●		
KINGSTON	KHX2133C8D3T1K2/4GX(XMP	4GB(2 x 2GB)	DS	8	1.65	●		
G.SKILL	F3-17600CL8D-4GBPS(XMP)	4GB(2 x 2GB)	DS	8-8-8-24	1.65	●		
G.SKILL	F3-17600CL9D-4GBTDS(XMP)	4GB(2 x 2GB)	DS	9-9-9-24	1.65	●		
KINGMAX	FLKE85F-B8KHA(XMP)	4G (2x 2G)	DS	-	1.5~1.7	●		

DDR3 2000 (O.C.) Qualified Vendors List (QVL)

	Part No.	Size	SS/DS	Timing	Voltage	DIMM socket support (Optional)		
						1 DIMM	2 DIMM	4 DIMM
CORSAIR	TW3X4G2000C7GT	4GB(2 x 2GB)	DS	7-8-7-20	1.65	●		

4 DIMM Slots

- **1 DIMM**: Supports one module inserted in A1 slot as Single-channel memory configuration
- **2 DIMM**: Supports one pair of modules inserted into eithor the blue slots or the black slots as one pair of Dual-channel memory configuration
- **4 DIMM**: Supports 4 modules inserted into both the blue and black slots as two pairs of Dual-channel memory configuration

-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.

-It is recommended to install the memory modules from the slots for better overclocking capability.

-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.