

Qualified Vendors List (QVL) Standard table for user manual

P&T DDR3 1067 Qualified Vendors List (QVL)												
Vendor	Part No.	Type	Size	SS/DS	Chip Brand	Chip NO.	Timing Dimm(Bios)	Voltage	DIMM socket support (Optional)			
									A*	B*	C*	D*
CORSAIR	CM3X1024-1066C7	DDR3 1067	1024MB	DS	N/A	Heat-Sink Package	7	1.1	●	●	●	●
Crucial	CT12864BA1067-8SFB	DDR3 1067	1024MB	SS	MICRON	Z9HWQ	7		●	●	●	●
Crucial	CT12864BA1067-8SFD	DDR3 1067	1024MB	SS	MICRON	D9JNL	7		●	●	●	●
Crucial	CT25664BA1067-16SFD	DDR3 1067	2048MB	DS	MICRON	D9JNL	7		●	●	●	●
ELPIDA	EBJ10UE8BAW0-AE-E	DDR3 1067	1024MB	SS	ELPIDA	J1108BAGB-DJ-E	CL7(1066-7-7-7-20)		●	●	●	●
ELPIDA	EBJ11RD8BAFA-AE-E	DDR3 1067	1024MB	DS	ELPIDA	J5308BASE-AC-E(ECC)	7		●	●	●	●
ELPIDA	EBJ11UD8BAFA-AG-E	DDR3 1067	1024MB	DS	ELPIDA	J5308BASE-AC-E	8		●	●	●	●
ELPIDA	EBJ2UE8BAW0-AE-E	DDR3 1067	2048MB	DS	ELPIDA	J1108BAGB-DJ-E	CL7(1066-7-7-7-20)		●	●	●	●
G.SKILL	F3-8500CLD0-2GBHK	DDR3 1067	2048MB(Kit of 2)	SS	N/A	Heat-Sink Package	6-6-6-15	1.65	●	●	●	N/A
Hynix	HMT112U6AFP8C-G7N0	DDR3 1067	1024MB	SS	HYNIX	H5TQ1G83AFP7G7C	7		●	●	●	●
Hynix	HYMT112U64ZNF8-G7	DDR3 1067	1024MB	SS	HYNIX	HY5TQ1G831ZNFP-G7	7		●	●	●	●
Hynix	HMT125U6AFP8C-G7N0	DDR3 1067	2048MB	DS	HYNIX	H5TQ1G83AFP7G7C	7		●	●	●	●
Hynix	HYMT125U64ZNFP-G7	DDR3 1067	2048MB	DS	HYNIX	HY5TQ1G831ZNFP-G7	7		●	●	●	●
KINGSTON	KVR1066D3N7/1G	DDR3 1067	1024MB	DS	ELPIDA	J5308BASE-AC-E		1.5	●	●	●	●
KINGSTON	KVR1066D3N7/2G	DDR3 1067	2048MB	DS	SAMSUNG	K4B1G0846C-ZCF8		1.5	●	●	●	●
MICRON	MT8JTF12864AY-1G1D1	DDR3 1067	1024MB	SS	MICRON	7VD22	7		●	●	●	●
MICRON	MT16JTF25664AY-1G1D1	DDR3 1067	2048MB	DS	MICRON	7VD22	7		●	●	●	●
Qimonda	IMSH1GU03A1F1C-10F	DDR3 1067	1024MB	SS	Qimonda	IDSH1G-03A1F1C-10F	7		●	●	●	●
Qimonda	IMSH1GU03A1F1C-10G	DDR3 1067	1024MB	SS	Qimonda	IDSH1G-03A1F1C-10G	8		●	●	●	●
Qimonda	IMSH1GU13A1F1C-10F	DDR3 1067	1024MB	DS	Qimonda	IDSH51-03A1F1C-10F			●	●	●	●
Qimonda	IMSH2GU13A1F1C-10F	DDR3 1067	2048MB	DS	Qimonda	IDSH1G-03A1F1C-10F	7		●	●	●	●
Qimonda	IMSH2GU13A1F1C-10G	DDR3 1067	2048MB	DS	Qimonda	IDSH1G-03A1F1C-10G	8		●	●	●	●
Transcend	TS256MLK64V1U	DDR3 1067	2048MB	DS	ELPIDA	J1108BAGB-AE-E	CL7(1066-7-7-7-20)		●	●	●	●
Aeneon	AEH760UD00-10FA98X	DDR3 1067	1024MB	DS	AENEON	AEH93R10F	7		●	●	●	●
Asint	SLY3128M8-EAE	DDR3 1067	1024MB	SS	Asint	DDRIII1208-AE	(7-7-7-20)		●	●	●	●
Asint	SLZ3128M8-EAE	DDR3 1067	2048MB	DS	Asint	DDRIII1208-AE	(7-7-7-20)		●	●	●	●
Elkixr	M2F2G64CB8AHAN4-BE	DDR3 1067	2048MB	DS	Elkixr	N2CB1G80AN-BE	7		●	●	●	●
WINTeC	3DU3191A-10	DDR3 1067	1024MB	DS	Qimonda	IDSH51-03A1F1C-10F	7		●	●	●	●

Note :

Side(s): SS - Single-sided DS - Double-sided

A: Supports two (2) modules inserted into slot A1 and B1 as one pair of Dual-channel memory configuration.

B: Supports three (3) modules inserted into the orange slots (A1, B1 and C1) as one set of Triple-channel memory configuration.

C: Supports four (4) modules inserted into the orange slots (A1, B1 and C1) and the black slot A2 as one set of Triple-channel memory configuration.

D: Supports six (6) modules inserted into both the orange slots and the black slots as two set of Triple-channel memory configuration.

- Due to Intel CPU spec definition, the system will not boot if only one DIMM is installed in DIMM slot A2, B2, or C2. Follow the table above for recommended memory configuration.

- Due to Intel spec definition, X.M.P. DIMMs and DDR3-1600 are supported for one DIMM per channel only.

- According to Intel spec definition, DDR3-1600 is supported for one DIMM per channel only. ASUS exclusively provides two DDR3-1600 DIMM support for each memory channel.

- According to Intel CPU spec, DIMMs with voltage requirement over 1.65V may damage the CPU permanently. We recommend you install the DIMMs with the voltage requirement below 1.65V.

- Due to the memory address limitation on 32-bit Windows OS, when you install 4GB or more memory on the motherboard, the actual usable memory for the OS can be about 3GB or less. For effective use of memory, we recommend that you install a 64-bit Windows OS when having 4GB or more memory installed on the motherboard.

- The default memory operation frequency is dependent on its SPD. Under the default state, some memory modules for overclocking may operate at a lower frequency than the vendor-marked value.

- For system stability, use a more efficient memory cooling system to support a full memory load (6 DIMMs) or overclocking condition.

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Vendor	Part No.	Type	Size	SS/DS	Chip Brand	Chip NO.	Timing Dimm(Bios)	Voltage	DIMM socket support (Optional)			
									A*	B*	C*	D*
A-DATA	SC63H1B16	DDR3 1333	2048MB	DS	SAMSUNG	K4B1G0846D	(1333-9-9-9-24)		●	●	●	●
A-DATA	AD31333C002G0U	DDR3 1333	6144MB(Kit of 3)	DS	N/A	Heat-Sink Package	CL7-7-7-20(1333-9-9-9-24)	1.65-1.85	●	●	●	●
Apacer	78.01GC6.420	DDR3 1333	1024MB	SS	ELPIDA	J1108BAGB-DJ-E	(1333-9-9-9-24)		●	●	●	●
Apacer	78.01GC6.422	DDR3 1333	1024MB	SS	ELPIDA	J1108BAGB-DJ-E(ECC)	(1333-9-9-9-24)		●	●	●	●
Apacer	78.A1GC6.421	DDR3 1333	2048MB	DS	ELPIDA	J1108BAGB-DJ-E	(1333-9-9-9-24)		●	●	●	●
Apacer	78.A1GC8.423	DDR3 1333	2048MB	DS	ELPIDA	J1108BAGB-DJ-E(ECC)	(1333-9-9-9-24)		●	●	●	●
CORSAIR	CM3X1333C9D6	DDR3 1333	3072MB(Kit of 3)	SS	N/A	Heat-Sink Package	9-9-9-24(1337-9-9-9-24)	1.5	●	●	●	●
CORSAIR	TR3XG1333C9	DDR3 1333	3072MB(Kit of 3)	SS	N/A	Heat-Sink Package	9-9-9-24(1333-9-9-9-24)	1.5	●	●	●	●
CORSAIR	CM3X1024-1333C9DPHX	DDR3 1333	1024MB	DS	N/A	Heat-Sink Package	(1333-9-9-9-24)	1.1	●	●	●	●
CORSAIR	Box/P/N:TW3X4G1333C9D6H(X) CM3X1024-1333C9D6	DDR3 1333	2048MB(Kit of 2)	DS	N/A	Heat-Sink Package	9-9-9-24(1066-7-7-7-20)	1.70	●	●	●	●
CORSAIR	Box/P/N:TW3X4G1333C9D6H(X) CM3X2G1600C9D6H(X)	DDR3 1333	4096MB(Kit of 2)	DS	N/A	Heat-Sink Package	9-9-9-24(1066-7-7-7-20)	1.70	●	●	●	●
CORSAIR	CM3X2G1333C9D6	DDR3 1333	6144MB(Kit of 3)	DS	N/A	Heat-Sink Package	9-9-9-24(1337-9-9-9-24)	1.5	●	●	●	●
CORSAIR	TR3XG1333C9	DDR3 1333	6144MB(Kit of 3)	DS	N/A	Heat-Sink Package	9-9-9-24(1333-9-9-9-24)	1.5	●	●	●	●
Crucial	CT12864BA1339-8SFB	DDR3 1333	1024MB	SS	MICRON	D9GTS	(1333-9-9-9-24)		●	●	●	●
Crucial	CT12864BA1339-8SFD	DDR3 1333	1024MB	SS	MICRON	MT8JF12864AY-1G4D1	(1333-9-9-9-24)		●	●	●	●
Crucial	CT25664BA1339-16SFD	DDR3 1333	2048MB	DS	MICRON	D9JNM	(1333-9-9-9-24)		●	●	●	●
ELPIDA	EBJ10UE8BAW0-DJ-E	DDR3 1333	1024MB	SS	ELPIDA	J1108BAGB-DJ-E	CL9(1333-9-9-9-24)		●	●	●	●
ELPIDA	EBJ11UD8BAFA-DG-E	DDR3 1333	1024MB	DS	ELPIDA	J5308BASE-DJ-E	(1333-9-9-9-24)		●	●	●	●
ELPIDA	EBJ11UD8BAFA-DJ-E	DDR3 1333	1024MB	DS	ELPIDA	J5308BASE-DJ-E	(1333-9-9-9-24)		●	●	●	●
ELPIDA	EBJ2UE8BAW0-DJ-E	DDR3 1333	2048MB	DS	ELPIDA	J1108BAGB-DJ-E	CL9(1333-9-9-9-24)		●	●	●	●
G.SKILL	F3-10600CLD0-2GBHK	DDR3 1333	2048MB(Kit of 2)	SS	N/A	Heat-Sink Package	(1337-9-9-9-22)	1.65	●	●	●	●
G.SKILL	F3-10600CLD0-2GBPK	DDR3 1333	2048MB(Kit of 2)	SS	N/A	Heat-Sink Package	(1333-9-9-9-24)	1.65	●	●	●	●
G.SKILL	F3-10600CLD0-2GBNQ	DDR3 1333	2048MB(Kit of 2)	DS	N/A	Heat-Sink Package	(1333-9-9-9-24)	1.5-1.65	●	●	●	●
G.SKILL	F3-10666CLD0-4GBPK	DDR3 1333	4096MB(Kit of 2)	DS	N/A	Heat-Sink Package	(1333-9-9-9-24)	1.65	●	●	●	●
G.SKILL	F3-10666CL9T-6GBNQ	DDR3 1333	6144MB(Kit of 3)	DS	N/A	Heat-Sink Package	9-9-9-24(1333-9-9-9-24)	1.5	●	●	●	●
KINGMAX	FLFD45F-8BE9E	DDR3 1333	1024MB	SS	ELPIDA	J1108BASE-DJ-E	(1333-9-9-9-24)		●	●	●	●
KINGSTON	KVR1333D3N9/1G	DDR3 1333	1024MB	SS	ELPIDA	J1108BASE-DJ-E	(1333-9-9-9-24)	1.5	●	●	●	●
KINGSTON	KVR1333D3N9/2G	DDR3 1333	2048MB	DS	ELPIDA	J1108BASE-DJ-E	(1333-9-9-9-24)	1.5	●	●	●	●
MICRON	MT8JTF12864AY-1G4YES	DDR3 1333	1024MB	SS	MICRON	Z9HWR	(1333-9-9-9-24)		●	●	●	●
MICRON	MT16JTF25664AY-1G4YES	DDR3 1333	2048MB	DS	MICRON	Z9HWR	(1333-9-9-9-24)		●	●	●	●
OCZ	OC23PRX1333EB2GK	DDR3 1333	1024MB	SS	N/A	Heat-Sink Package	(1066-6-5-5-20)		●	●	●	●
OCZ	OC23X1333GK	DDR3 1333	3072MB(Kit of 3)	SS	N/A	Heat-Sink Package	7-7-7-(1066-6-6-6-16)	1.6	●	●	●	●
OCZ	OC23P1333GK	DDR3 1333	1024MB	DS	N/A	Heat-Sink Package	7-7-7-20(1333-9-9-9-24)		●	●	●	●
OCZ	OC23G13334GK	DDR3 1333	4096MB(Kit of 2)	DS	N/A	Heat-Sink Package	9(1066-8-9-9-20)	1.7	●	●	●	●
OCZ	OC23P13334GK	DDR3 1333	4096MB(Kit of 2)	DS	N/A	Heat-Sink Package	7(1333-7-7-7-20)	1.8	●	●	●	●
OCZ	OC23PRX1333EB4GK	DDR3 1333	4096MB(Kit of 2)	DS	N/A	Heat-Sink Package	(1066-6-5-5)	1.85	●	●	●	●
Qimonda	IMSH1GU03A1F1C-13H	DDR3 1333	1024MB	SS	Qimonda	IDSH1G-03A1F1C-13H	9(1333-9-9-9-24)		●	●	●	●
Qimonda	IMSH2GU13A1F1C-13H	DDR3 1333	2048MB	DS	Qimonda	IDSH1G-03A1F1C-13H	9(1333-9-9-9-24)		●	●	●	●
SAMSUNG	M378B2873DZ1-CH9	DDR3 1333	1024MB	SS	SAMSUNG	K4B1G0846D	9(1333-9-9-9-24)		●	●	●	●
SAMSUNG	M391B2873DZ1-CH9	DDR3 1333	1024MB	SS	SAMSUNG	K4B1G0846D(ECC)	9(1333-9-9-9-24)		●	●	●	●
SAMSUNG	M378B5673DZ1-CH9	DDR3 1333	2048MB	DS	SAMSUNG	K4B1G0846D	9(1333-9-9-9-24)		●	●	●	●
SAMSUNG	M391B5673DZ1-CH9	DDR3 1333	2048MB	DS	SAMSUNG	K4B1G0846D(ECC)	9(1333-9-9-9-24)		●	●	●	●
Transcend	TS128MLK64V3U	DDR3 1333	1024MB	SS	SAMSUNG	K4B1G0846D	9(1333-9-9-9-24)		●	●	●	●
Transcend	TS256MLK64V3U	DDR3 1333	2048MB	DS	SAMSUNG	K4B1G0846D	9(1333-9-9-9-24)		●	●	●	●
Aeneon	AEH760UD00-13H	DDR3 1333	1024MB	DS	AENEON	AEH93R13H	(1333-9-9-9-24)		●	●	●	●
Asint	SLY3128M8-EDJ	DDR3 1333	1024MB	SS	Asint	DDRIII1208-DJ	(9-9-9-24)		●	●	●	●
Asint	SLZ3128M8-EDJ	DDR3 1333	2048MB	DS	Asint	DDRIII1208-DJ	(9-9-9-24)		●	●	●	●
BUFFALO	FSX1333D3G-1G	DDR3 1333	1024MB	SS	N/A	Heat-Sink Package	(1066-7-7-7-20)		●	●	●	●
BUFFALO	FSX1333D3G-2G	DDR3 1333	2048MB	DS	N/A	Heat-Sink Package	(1066-7-7-7-20)		●	●	●	●
Elkixr	M2F2G64CB8AHAN-CG	DDR3 1333	2048MB	DS	Elkixr	N2CB1G80AN-CG	(1333-9-9-9-24)		●	●	●	●
Patriot	PDC32G1333LLK	DDR3 1333	1024MB	SS	PATRIOT	ELTIOT	7(1337-7-7-7-20)	1.7	●	●	●	●
Patriot	PVT33G1333ELK	DDR3 1333	3072MB(Kit of 3)	SS	N/A	Heat-Sink Package	CL9-9-9-24(1066-7-7-7-20)	1.65	●	●	●	●
Patriot	PVT36G1333ELK	DDR3 1333	6144MB(Kit of 3)	DS	N/A	Heat-Sink Package	CL9-9-9-24(1066-7-7-7-20)	1.65	●	●	●	●
PQI	MFACR322AL0105	DDR3 1333	1024MB	DS	PQI	PQC3648515R	(1333-9-9-9-24)		●	●	●	●

Note :

Side(s): SS - Single-sided DS - Double-sided

A: Supports two (2) modules inserted into slot A1 and B1 as one pair of Dual-channel memory configuration.

B: Supports three (3) modules inserted into the orange slots (A1, B1 and C1) as one set of Triple-channel memory configuration.

C: Supports four (4) modules inserted into the orange slots (A1, B1 and C1) and the black slot A2 as one set of Triple-channel memory configuration.

D: Supports six (6) modules inserted into both the orange slots and the black slots as two set of Triple-channel memory configuration.

- Due to Intel CPU spec definition, the system will not boot if only one DIMM is installed in DIMM slot A2, B2, or C2. Follow the table above for recommended memory configuration.

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- According to Intel spec definition, DDR3-1600 is supported for one DIMM per channel only. ASUS exclusively provides two DDR3-1600 DIMM support for each memory channel.

- According to Intel CPU spec, DIMMs with voltage requirement over 1.65V may damage the CPU permanently. We recommend you install the DIMMs with the voltage requirement below 1.65V.