DDR3 1333 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	Socket support (O)	
								1 DIMM	2 DIMM
A-DATA	SU3U1333W8G9-B	8GB	DS	ELPIDA	J4208BASE-DJ-F	-	-	〈	〈
SAMSUNG	M378B1G73AH0-CH9	8GB	DS	SAMSUNG	K4B4G0846A-HCH9	-	-	〈	〈
Transcend	TS1GLK64V3H	8GB	DS	Micron	IVD22D9PBC	-	-	〈	〈
ASint	SLB304G08-EDJ1B	8GB	DS	Asint	SLB304G08-DJ1B	-	-	〈	〈
PATRIOT	PG38G1333EL(XMP)	8GB	DS	-	-	9-9-9-24	1.5V	〈	〈

4 DIMM Slots

• **1 DIMM**: Supports one module inserted in any slot as Single-channel memory configuration

• **2 DIMM**: Supports 2 modules inserted into both the blue or 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.

DDR3 1600 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	ocket support (O	
								1 DIMM	2 DIMM
CORSAIR	CMZ32GX3M4X1600C10(XMP)	32GB(8GBx4)	DS	-	-	10-10-10-27	1.50V	〈	〈
ASint	SLB304G08-EGN1B	8GB	DS	Asint	SLB304G08-GN1B	-	-	〈	〈
PATRIOT	PGD316G1600ELK(XMP)	32GB(8GBx4)	DS	-	-	9-9-9-24	1.65V	〈	〈
Vendor	PartNum.	Size	SS/DS	Chip Brand	ChipNum.	Timing - Dimm	Vol.		

4 DIMM Slots

• **1 DIMM**: Supports one module inserted in any slot as Single-channel memory configuration
• **2 DIMM**: Supports 2 modules inserted into both the blue or 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.

DDR3 1600 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	ocket support (O	
								1 DIMM	2 DIMM
CORSAIR	CMZ32GX3M4X1600C10(XMP)	32GB(8GBx4)	DS	-	-	10-10-10-27	1.50V	〈	〈
ASint	SLB304G08-EGN1B	8GB	DS	Asint	SLB304G08-GN1B	-	-	〈	〈
PATRIOT	PGD316G1600ELK(XMP)	32GB(8GBx4)	DS	-	-	9-9-9-24	1.65V	〈	〈

DDR3 1866 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	ocket support (O 1 DIMM	2 DIMM
G.SKILL	F3-14900CL10Q2-64GBZLD(XMP1.3)	64GB (8GBx 8)	DS	-	-	10-11-10-30	1.5V		〈
Vendor	PartNum.	Size	SS/DS	Chip Brand	ChipNum	Timing - Dimm	Vol.		

4 DIMM Slots

• **1 DIMM**: Supports one module inserted in any slot as Single-channel memory configuration
• **2 DIMM**: Supports 2 modules inserted into both the blue or 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.

DDR3 2133 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	Socket support (O)	
								1 DIMM	2 DIMM
KINGSTON	KHX2133C11D3T1K2/16GX(XMP)	16GB(8GB x 2)	DS	-	-	-	1.6V	〈	〈
Vendor	PartNum.	Size	SS/DS	Chip Brand	ChipNum.	Timing - Dimm	Vol.		

4 DIMM Slots

• **1 DIMM**: Supports one module inserted in any slot as Single-channel memory configuration

• **2 DIMM**: Supports 2 modules inserted into both the blue or black slots as two pairs of Dual-channel memory configuratio

-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.

DDR3 2133 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	Socket support (O)	
								1 DIMM	2 DIMM
KINGSTON	KHX2133C11D3T1K2/16GX(XMP)	16GB(8GB x 2)	DS	-	-	-	1.6V	〈	〈
Vendor	PartNum.	Size	SS/DS	Chip Brand	ChipNum.	Timing - Dimm	Vol.		

4 DIMM Slots

• **1 DIMM**: Supports one module inserted in any slot as Single-channel memory configuration

• **2 DIMM**: Supports 2 modules inserted into both the blue or black slots as two pairs of Dual-channel memory configuratio

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