



KINGSTON	KHX18C9T2K2/8X	8GB (2x 4GB)	DS	-	-	-	9-9-9-24-33	1.65	•	•
AVEXIR	AVD3U0904G-4CI	4GB	SS	-	-	-	11-11-11-28-	1.65V	•	•
AVEXIR	AVD3U0908G-4CI	8GB	DS	-	-	-	11-11-11-28-	1.5V	•	•
TEAM	TED38GM1866C13BK	8GB	DS	HYNIX	H5TQ4G83AFY	-	13-13-13-32	1.5V	•	•
CRUCIAL	BLS8G3D18ADS3.16FED	8GB	DS	N/A	N/A	-	10-10-10-30	1.5V	•	•
CRUCIAL	BLE4G3D1869DE1TX0.16FKR	4GB	DS	N/A	N/A	-	9-9-9-27	1.5V	•	•
CRUCIAL	BLE8G3D1869DE1TX0.16FED	8GB	DS	N/A	N/A	-	9-9-9-27	1.5V	•	•
CRUCIAL	BLT8G3D1869DT1TX0.16FED	8GB	DS	N/A	N/A	-	9-9-9-27	1.5V	•	•
PANRAM	PUD31866C94G2PSB	4GB	SS	N/A	N/A	-	9-10-9-27	1.65V	•	•
PANRAM	PUD31866C98GPSB	8GB	DS	N/A	N/A	-	9-10-9-27	1.65V	•	•
AVEXIR	AVD3U18661108G-1LW	8G	DS	HYNIX	H5TQ4G83MFR	-	-	1.35V	•	•
AVEXIR	AVD3U18661104G-1LW	4G	SS	SEC 431 BYKO	K4B4G0846D	-	-	1.35V	•	•
MUSHKIN	PC3L-14900	8G	DS	N/A	Heat-Sink Package	-	11-11-11-27	1.35V	•	•

**DDR3 2000 Qualified Vendors List (QVL)(frequency down grade to 1866)**

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								1 DIMM	2 DIMM	
AVEXIR	AVD3U20000904G-4CI	4GB	SS	-	-	-	11-11-11-28-	1.65V	•	•
AVEXIR	AVD3U20000908G-4CI	8GB	DS	-	-	-	11-11-11-28-	1.65V	•	•

**DDR3 2133 Qualified Vendors List (QVL)(frequency down grade to 1866)**

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								1 DIMM	2 DIMM	
CORSAIR	CMY8GX3M2A2133C11R	8GB(4 x 2GB)	SS	-	-	-	11-11-11-27	1.50V	•	•
CORSAIR	CMD8GX3M2B2133C9(Ver5.12)	4GB	DS	-	-	-	9-11-11-31	1.65V	•	•
CORSAIR	CMD16GX3M2A2133C9(Ver4.21)	8GB	DS	-	-	-	9-11-11-31	1.65V	•	•
CORSAIR	CMZ8GX3M2A2133C11(Ver4.21)	4GB	SS	-	-	-	11-11-11-27	1.50V	•	•
CORSAIR	CMD32GX3M4A2133C9(Ver4.21)	8GB	DS	-	-	-	9-11-11-31	1.65V	•	•
AMD	AG34G2130UJ	4GB	SS	-	-	-	10-11-11-30	1.65V	•	•
TEAM	TLD34G2133HC11ABK	4GB	SS	-	-	-	11-11-11-31	1.65V	•	•
TEAM	TLD38G2133HC11ABK	8GB	DS	-	-	-	11-13-13-31	1.65V	•	•
KINGSTON	KHX21C11T2K2/8X	8GB (2x 4GB)	SS	-	-	-	11-11-11-28-	1.6V	•	•
AVEXIR	AVD3U21330908G-4BZ1	4GB	SS	-	-	-	11-11-11-28-	1.65V	•	•
AVEXIR	AVD3U21331104G-4CI	4GB	SS	-	-	-	11-11-11-28-	1.5V	•	•
AVEXIR	AVD3U21330908G-4BZ1	8GB	DS	-	-	-	11-11-11-28-	1.65V	•	•
AVEXIR	AVD3U21331108G-4CI	8GB	DS	-	-	-	11-11-11-28-	1.5V	•	•
AMD	AP38G2133U2K	4GB	DS	-	-	-	11-12-11-30	1.65V	•	•
G.SKILL	F3-2133C10D-16GAB	8GB	DS	N/A	N/A	-	10-12-12-31	1.6V	•	•
GALAXY	HOF3B213311B8G2C(XMP1.5)	4G	SS	N/A	N/A	-	11-13-13-30	1.65V	•	•

**DDR3 2400 Qualified Vendors List (QVL)(frequency down grade to 1866)**

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								1 DIMM	2 DIMM	
CORSAIR	CMY16GX3M2A2400C10R(Ver4.21)	8GB	DS	-	-	-	10-12-12-31	1.65V	•	•
AVEXIR	AVD3U24001004G-4BZ1	4GB	SS	-	-	-	11-11-11-28-	1.65V	•	•
AVEXIR	AVD3U24001104G-4CI	4GB	SS	-	-	-	11-11-11-28-	1.65V	•	•
AVEXIR	AVD3U24001008G-4BZ1	8GB	DS	-	-	-	11-11-11-28-	1.65V	•	•
AVEXIR	AVD3U24001108G-4CI	8GB	DS	-	-	-	11-11-11-28-	1.65V	•	•
TEAM	TLD38G2400HC11CBK	8GB	DS	-	-	-	11-13-13-35	1.65V	•	•
CORSAIR	CMD32GX3M4A2400C10(Ver5.29)	8GB	DS	-	-	-	10-12-12-31	1.65V	•	•
G.SKILL	F3-2400C11D-8GRS	4GB	DS	N/A	N/A	-	11-11-13-31	1.65V	•	•
PANRAM	PUD32400C118G2LSK	8GB	DS	N/A	N/A	-	11-13-13-35	1.65V	•	•

**DDR3 2666 Qualified Vendors List (QVL)(frequency down grade to 1866)**

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								1 DIMM	2 DIMM	
CORSAIR	CMD16GX3M4A2666C10 (Ver4.13)	4GB	DS	-	-	-	10-12-12-31	1.65V	•	•
AVEXIR	AVD3U26661104G-4BZ1	4GB	SS	-	-	-	11-11-11-28-	1.65V	•	•
AVEXIR	AVD3U26661204G-4CI	8GB	SS	-	-	-	11-11-11-28-	1.65V	•	•
AVEXIR	AVD3U26661108G-4BZ1	8GB	DS	-	-	-	11-11-11-28-	1.65V	•	•
AVEXIR	AVD3U26661208G-4CI	8GB	DS	-	-	-	11-11-11-28-	1.65V	•	•

**DDR3 2800 Qualified Vendors List (QVL)(frequency down grade to 1866)**

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								1 DIMM	2 DIMM	
G.SKILL	F3-2800C12Q-32GGTXDG	8GB	DS	-	-	-	12-14-14-35	1.65V	•	•
AVEXIR	AVD3UH28001208G-4BZ1	8GB	DS	-	-	-	11-11-11-28-	1.65V	•	•

**DDR3 2933 Qualified Vendors List (QVL)(frequency down grade to 1866)**

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								1 DIMM	2 DIMM	
G.SKILL	F3-2933C12D-16GTDXG	8GB	DS	-	-	-	12-14-14-35	1.65V	•	•
AVEXIR	AVD3UH29331204G-4BZ1	4GB	SS	-	-	-	11-11-11-28-	1.65V	•	•
AVEXIR	AVD3UH29331208G-4BZ1	8GB	DS	-	-	-	11-11-11-28-	1.65V	•	•

**DDR3 3000 Qualified Vendors List (QVL)(frequency down grade to 1866)**

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								1 DIMM	2 DIMM	
AVEXIR	AVD3UH31001204G-4BZ1	4GB	SS	-	-	-	11-11-11-28-	1.65V	•	•

**DDR3 3100 Qualified Vendors List (QVL)(frequency down grade to 1866)**

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								1 DIMM	2 DIMM	
ADATA	AX3U3100W4G12-DGV	4GB	SS	-	-	-	12-14-14-36	1.65	•	•
AVEXIR	AVD3UH31001204G-2CIR	4GB	SS	-	-	-	11-11-11-28-	1.65V	•	•
AVEXIR	AVD3UH31001204G-4BZ1	4GB	SS	-	-	-	11-11-11-28-	1.65V	•	•
ADATA	AX3U3100W4G12-DMV	4GB	SS	N/A	N/A	-	12-14-14-36	1.65V	•	•

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.