"MB10-DS4" Qualification Vender List Ver:2.0

Memory

Product Name	Memory Type	Module Supplier	Size	Chip Brand	Rank	Voltage	Data Transfer Rate	Error Correction	CAS Latency	Pins	Note
RDIMM											
KVR21R15S4/8	DDR4	Kingston	8GB		1R	1.2v	2133MHz	ECC Registered	15	288-pin	
KVR21R15D4/16	DDR4	Kingston	16GB		2R	1.2v	2133MHz	ECC Registered	15	288-pin	
AD4V2133Y8G15-BHYM (VLP DIMM)	DDR4	ADATA	8GB		1R	1.2v	2133MHz	ECC Registered	15	288-pin	
T4D4R10H62158	DDR4	TeamGroup	8GB			1.2v	2133MHz	ECC Registered	15		
T4D6R10S62000	DDR4	TeamGroup	8GB			1.2v	2133MHz	ECC Registered	15		
T4E1R10S62000	DDR4	TeamGroup	16GB	Samsung		1.2v	2133MHz	ECC Registered	15		
HMA41GR7MFR4N-TF TD	DDR4	HYNIX	8GB		1R	1.2v	2133MHz	ECC Registered	15		
HMA42GR7MFR4N-TF TD	DDR4	HYNIX	16GB		2R	1.2v	2133MHz	ECC Registered	15		
CT4G4RFS8213.9FA2	DDR4	CRUCIAL	4GB		1R	1.2v	2133MHz	ECC Registered	15		
CT8G4RFS4213ES.18FDA2	DDR4	CRUCIAL	8GB		1R	1.2v	2133MHz	ECC Registered	15		
CT8G4RFD8213.18FA1	DDR4	CRUCIAL	8GB		2R	1.2v	2133MHz	ECC Registered	15		
CT16G4RFD4213.36FA2	DDR4	CRUCIAL	16GB		2R	1.2v	2133MHz	ECC Registered	15		
CT16G4RFS424A.18FA1	DDR4	Crucial	16GB	Micron	DR X8	1.2v	2400MHz	ECC Registered	17	288-pin	
75.CA3G0.G000B	DDR4	Apacer	8GB			1.2v	2133MHz	ECC Registered	15		
HMA84GR7MFR4N-TFTD	DDR4	HYNIX	32GB	SKhynix	2R	1.2v	2133MHz	ECC Registered	15	288-pin	
HMA451R7MFR8N-TF	DDR4	SK Hynix	4GB		1R	1.2v	2133MHz	ECC Registered	15		
M393A1G40DB0-CPB	DDR4	SAMSUNG	8GB	Samsung	1R	1.2v	2133MHz	ECC Registered	15	288-pin	
T4C8R10S61159A	DDR4	TeamGroup	4GB	SKhynix		1.2v	2133MHz	ECC Registered	15	288-pin	
CT16G4RFD824A.18FA1	DDR4	CRUCIAL	16GB	Micron	2R	1.2v	2400MHz	ECC Registered	17	288-pin	same as above Micron DIMM
KVR21E15S8/4HA	DDR4	Kingston	4 GB	SKhynix	1R	1.2v	2133MHz	ECC Registered	15	288-pin	
CT16G4RFD424A.36FA3	DDR4	Crucial	16GB	Micron	DR X8	1.2V	2400MHz	ECC Registered	17	288-pin	
MTA36ASF2G72PZ-2G3A3II	DDR4	Micron	16GB	Micron	2R X4	1.2V	2400MHz	ECC Registered	17	288-pin	

CT8G4RFS424A.18FA3	DDR4	Crucial	8GB	Micron	DR X8	1.2V	2400MHz	ECC Registered	17	288-pin	
MTA18ASF1G72PZ-2G3A3IG	DDR4	Micron	8GB	Micron	1R X4	1.2V	2400MHz	ECC Registered	17	288-pin	
M393A2K43BB1-CRC0Q	DDR4	SAMSUNG	16GB	Samsung	2R X8	1.2v	2400MHz	ECC Registered	17	288-pin	
M4R0-AGS1BCSJ	DDR4	INNODISK	16GB	Samsung	2R X8	1.2V	2400MHz	ECC Registered	17	288-pin	
M4R0-AGS3ECSJ	DDR4	INNODISK	16GB	Samsung	1R X4	1.2V	2400MHz	ECC Registered	17	288-pin	
M393A2K40BB1-CRC0Q	DDR4	SAMSUNG	16GB	Samsung	1R X4	1.2V	2400MHz	ECC Registered	17	288-pin	
TR16G18C15-093E	DDR4	V-Color	16GB		2R X8	1.2V	2133MHz	ECC Registered	15	288-pin	
M4R0-BGS3GCSJ	DDR4	INNODISK	32GB	Samsung	2R X4	1.2V	2400MHz	ECC Registered	17	288-pin	
M393A4K40BB1-CRC0Q	DDR4	SAMSUNG	32GB	Samsung	2R X4	1.2V	2400MHz	ECC Registered	17	288-pin	
M4R0-AGCQGCRG	DDR4	INNODISK	16GB	ESSENCORE		1.2v	2133MHz	ECC Registered	15	288-pin	
M4R0-BGC3GCRG	DDR4	INNODISK	16GB	ESSENCORE		1.2v	2133MHz	ECC Registered	15	288-pin	
CT16G4RFD824A 18FB1	DDR4	Crucial	16GB	Micron	2R X8	1.2v	2400MHz	ECC Registered	17	288-pin	
MTA18ASF2G72PDZ 2G3B1RG	DDR4	Micron	16GB	Micron	2R X8	1.2v	2400MHz	ECC Registered	17	288-pin	
ECC UDIMM											
M4C0-8GSSMCRG	DDR4	INNODISK	8GB	Samsung		1.2v	2133MHz	ECC Unbuffer	15		
M4C0-4GSSLCRG	DDR4	INNODISK	4GB	Samsung		1.2v	2133MHz	ECC Unbuffer	15		
TS512MLH72V1H	DDR4	Transcend	4GB	Samsung	1R	1.2v	2133MHz	ECC Unbuffer	15		
TS1GLH72V1H	DDR4	Transcend	8GB	Samsung	2R	1.2v	2133MHz	ECC Unbuffer	15		
PED42133C158GVS	DDR4	Panram	8GB	SKhynix		1.2v	2133MHz	ECC Unbuffer	15		
PED42133C154GVS	DDR4	Panram	4GB	SKhynix		1.2v	2133MHz	ECC Unbuffer	15		
78.B1GM4.AF00B	DDR4	Apacer	4GB	SKhynix		1.2v	2133MHz	ECC Unbuffer	15		
78.C1GM4.AF10B	DDR4	Apacer	8GB	SKhynix		1.2v	2133MHz	ECC Unbuffer	15		
M391A1G43DB0-CPB	DDR4	Samsung	8GB	Samsung	2R	1.2v	2133MHz	ECC Unbuffer	15		
CT8G4WFD8213.18FA1	DDR4	Crucial	8GB	Micron	2R	1.2v	2133MHz	ECC Unbuffer	15		
CT4G4WFS8213.9FA1	DDR4	Crucial	4GB	Micron	1R	1.2v	2133MHz	ECC Unbuffer	15		
T2D4C10S61163	DDR4	TeamGroup	8GB	Samsung	1R	1.2v	2133MHz	ECC Unbuffer	15		
T2C8C10S61164	DDR4	TeamGroup	4GB	Samsung	1R	1.2v	2133MHz	ECC Unbuffer	15		
CMA6-3G A01DAR01ME0	DDR4	ACPi	8GB	SKhynix	2R	1.2v	2133MHz	ECC Unbuffer	15	288-pin	
KVR21E15D8/8HA	DDR4	Kingston	8GB	SKhynix	2R	1.2v	2133MHz	ECC Unbuffer	15	288-pin	
Seagate HDD											
Product Name	Type	Vendor	Form Factor	Format	Capacity	Interface Speed	Series	Cache	RPM	Encryption	FW
Seagate Enterprise Capacity 2.5 HDD											
ST9250610NS	SATA	Seagate	2.5"	N/A	250GB	6Gb/s	Constellation 2	64MB	7200	N/A	SN02

Seagate Enterprise Capacity 3.5 HDD											
Seagate Desktop HDD											
ST1000DM003	SATA	Seagate	3.5"	N/A	1TB	6Gb/s	7200.14	64MB	7200	N/A	
HGST HDD											
HUS724040ALS640	SAS	HGST	3.5"	512N	4TB	6Gb/s	Ultrastar 7K4000	64MB	7200	N/A	A152
HUA722010CLA330	SATA	HGST	3.5"	512	1TB	3Gb/s	Ultrastar A7K2000	32MB	7200	N/A	
HUS724040ALA640	SATA	HGST	3.5"	512N	4TB	6Gb/s	Ultrastar 7K4000	64MB	7200	N/A	8B0
SSD											
Product Name	Type	Vendor	Form Factor	Interface	Capacity	Interface Speed	FW	Note			
Hard drive											
ASX1000LS7-240GM	SSD	ADATA	SATA	2.5"	240GB	6Gb/s					
ASR1010SS-480GM	SSD	ADATA	SATA	2.5"	480GB	6Gb/s					
RAID Cards											
Model	RAID-on-Chip Controller	Host Bus Type	Internal Ports	Internal Connectors	External Ports	External Connectors	Data Transfer Rates	FW	Note		
GIGABYTE Storage Cards											
GC-MSLZ2	LSI SAS 2008	PCIe- x8 Gen2 x8 bus	2	Mini-SAS for 8x SAS	-	-	6Gb/s ports				
GC-MSLZ4	LSI SAS 2008	PCIe- x8 Gen2 x8 bus	2	Mini-SAS for 8x SAS	-	-	6Gb/s ports				
RA200-8	LSI SAS 2308	PCIe- x8 Gen3 x8 bus	2	Mini-SAS for 8x SAS	-	-	6Gb/s ports				
RA201-A	LSI SAS 2208	PCIe- x8 Gen3 x8 bus	2	Mini-SAS for 8x SAS	-	-	6Gb/s ports				
CRA3338	LSI SAS 3208	PCIe- x8 Gen3 x8 bus	2	Mini-SAS for 8x SAS	-	-	12Gb/s ports				
Adaptec RAID 6805T	-	8-Lane PCIe Gen2	8	2 Internal, SFF-8087, Top-	-	-	6 Gb/s per port				
LSI RAID Controller Cards											
MegaRAID SAS 9260-8i	LSISAS2008	x8 lane PCI Express®	8	2 Mini-SAS SFF8087	-	-	Up to 6Gb/s per port				
MegaRAID SAS 9240-8i	LSISAS2008	x8 lane PCI Express® 2.0	8	2 Mini-SAS SFF8087 (vertical orientation)	-	-	Up to 6Gb/s per port				
LSI Host Bus Adapters (HBAs)											
PMC RAID Cards (Adaptec)											

Adaptec ASR-8885Q		8-lane PCIe Gen3	2	Two internal mini SAS HD (SFF-8643),	2	two external mini SAS HD (SFF-8644)	12 Gb/s per port		
PMC Host Bus Adapters									
Adaptec 71605H	-	8-Lane PCIe Gen3	16	4 Internal, SFF-8643	-	-	6 Gb/s per port		
LAN Cards									
Product Name	Connector	Power consumption	FW	# of Ports	System Interface Type	Data rate	Note		
GIGABYTE LAN Cards									
GC-MNXE21	SFP+	-		Dual	PCIe x8 Gen3 x8	10Gb/s per port			
GC-MLBZ1	SFP+	-		Dual	PCIe x8 Gen2 x8	10Gb/s per port			
CLN4831	SFP+	-		Dual					
CLN4832	SFP+	-		Dual					
Intel_GbE									
Intel® Ethernet Server Adapter I350-T4	RJ-45	5 W		Quad	PCIe v2.1 (5.0GT/s)	1Gb/s per port			
Mellanox Connect-IB®									
MCB194A-FCAT	QSFP	-		Dual	PCIe 3.0	FDR IB			
Mellanox ConnectX®-3 VPI Adapter Cards									
Direct Attach Copper (DAC)									
FCI 10110818-3030LF (RX003224)	10Gb	SFP+	3M	N/A	850				
安富利 586710005 (RX004518)	10Gb	SFP+	10M	N/A	850				
安富利 586710003	10Gb	SFP+	5M	N/A	850				
安富利 586710007 (RX002327)	10Gb	SFP+	1M	N/A	850				
MOLEX 747529004 (RX004630)	10Gb	SFP+	10M	N/A	850				
MOLEX 747524501 (RX004635)	10Gb	SFP+	5M	N/A	850				
MOLEX 747521301 (RX004523)	10Gb	SFP+	3M	N/A	850				
MOLEX 747521101 (RX004511)	10Gb	SFP+	1M	N/A	850				
PSU									
Product Name	Vendor	Input Voltage	Wattage	Application	Effciency	FW	Note		
FSP1200-50AAG	FSP	100~240Vac	1200W	Desktop	N/A				
FSP1000-50AAG	FSP	100~240Vac	1000W	Desktop	N/A				
FSP600-80PSA	FSP	100~240Vac	600W	Desktop	80Bronze				
EVEREST 85plus 600W	FSP	100~240Vac	600W	Desktop	80Gold				
SST-ST85F-GS	SilverStone	100~240Vac	850W	Desktop	80Gold				
SST-ST1000-G	SilverStone	100-240Vac	1000W	Desktop	80Gold				
SF-850F14MG	SuperFLower	100~240Vac	850W	Desktop	80Gold				
SS-1250XM	SeaSonic	100~240Vac	1250W	Desktop	80Gold				
巨龍800SP BTX-800SP 650W	Greatwall	100~240Vac	650W	Desktop	N/A				
黑熊大力士760 EPSpower760 SD-760EPS	黑熊大力士	100~240Vac	760W	Desktop	N/A				
HuntKey航嘉 HK650-11PEP 550W	HuntKey	100~240Vac	550W	Desktop	N/A				
PSM-6600PE/600W	新巨	100~240Vac	600W	Desktop	N/A				

USB Device				
Product Name	Type	Vendor	Capacity	Note
USB 3.0				
GoFlex STAA500305	HDD	Seagate	500G	
TOSHIBA CANVIO BASIC	HDD	Toshiba	500G	
EXTEK BYTECC-ME535U3	Blue-ray	Pioneer		
NU EBC113	Blue-ray	NU		
NU ESW863 8X SLIM	DVD	NU		
SILICON POWER BLAZE B10 16GB	Flash	SILICON	16G	
S1-DS3 TURBO	Device	CyberSLIM		
NA317U+	Device	ineo		