

MZ31-AR0 Qualification Vender List Ver:1.2

AMD CPU												
Product Name	Code Name	Package	Stepping	L3 Cache	# of Cores / Threads	Processor Base Freq (GHz)	All Cores Boost Max Freq (GHz)	Processor Boost	TDP	Memory Types	Processor Graphics	
Naples												
AMD 7601 PS7601BDVHAF	Naples	SP3	PR	64MB	32 / 64	2.20	2.70	3.20 / 3	180W	DDR4-2666	None	
AMD 7551 PS7551BDVHAF	Naples	SP3	PR	64MB	32 / 64	2.00	2.55	3.00 / 3	180W	DDR4-2666	None	
AMD 7451 PS7451BDVHAF	Naples	SP3	PR	64MB	24 / 48	2.30	3.20	3.20 / 3	180W	DDR4-2666	None	
AMD 7351 PS7351BEVPAF	Naples	SP3	PR	64MB	16 / 32	2.40	2.90	2.90 / 2	155/170W	DDR4-2400/2666	None	
AMD 7351P PS7351PBEVPAF	Naples	SP3	PR	64MB	16 / 32	2.40	2.90	2.90 / 2	155/170W	DDR4-2400/2666	None	
AMD 7501 PS7501BEVHAF	Naples	SP3	PR	64MB	32 / 64	2.00	2.60	3.00 / 3	155/170W	DDR4-2400/2666	None	
AMD 7401 PS7401BEVHAF	Naples	SP3	PR	64MB	24 / 48	2.00	2.80	3.00 / 3	155/170W	DDR4-2400/2666	None	
AMD 7401P PS7401PBEVHAF	Naples	SP3	PR	64MB	24 / 48	2.00	2.80	3.00 / 3	155/170W	DDR4-2400/2666	None	
AMD 7301 PS7301BEVPAF	Naples	SP3	PR	64MB	16 / 32	2.20	2.70	2.70 / 2	155/170W	DDR4-2400/2666	None	
AMD 7251 PS7251BFV8SAF	Naples	SP3	PR	32MB	8 / 16	2.00	2.90	2.90 / 2	120W	DDR4-2400	None	
Memory												
Product Name	Memory Type	Module Supplier	Size	Chip Brand	Rank	Voltage	Data Transfer Rate	Error Correction	CAS Latency	Pins	Note	
RDIMM												
HMA82GR7AFR8N-UHTD	DDR4	SKhynix	16GB	SK Hynix	2R X8	1.2v	2400MHz	ECC Registered	17	288-pin		
HMA82GR7AFR8N-UHT2	DDR4	SKhynix	16GB	SK Hynix	2R X8	1.2v	2400MHz	ECC Registered	17	288-pin		
HMA84GR7AFR4N-UHTD	DDR4	SKhynix	32GB	SK Hynix	2R X4	1.2v	2400MHz	ECC Registered	17	288-pin		
HMA84GR7AFR4N-UHT2	DDR4	SKhynix	32GB	SK Hynix	2R X4	1.2v	2400MHz	ECC Registered	17	288-pin		
CT16G4RFD424A.36FB1	DDR4	Crucial	16GB	Micron	2R X4	1.2v	2400MHz	ECC Registered	17	288-pin		
MTA36ASF2G72PZ-2G3B1QK	DDR4	Micron	16GB	Micron	2R X4	1.2v	2400MHz	ECC Registered	17	288-pin		
CT16G4RFS424A.18FB1	DDR4	Crucial	16GB	Micron	1R X4	1.2v	2400MHz	ECC Registered	17	288-pin		
MTA18ASF2G72PZ-2G3B1IG	DDR4	Micron	16GB	Micron	1R X4	1.2v	2400MHz	ECC Registered	17	288-pin		
M4R0-8GSSBCSJ	DDR4	INNODISK	8GB	Samsung	2R X4	1.2v	2400MHz	ECC Registered	17	288-pin		
M393A4K40B1-CRC0Q	DDR4	Samsung	32GB	Samsung	2R X4	1.2v	2400MHz	ECC Registered	17	288-pin		
VP9MR4G7224JBJSB	DDR4	Viking	32GB	Samsung	2R X4	1.2v	2400MHz	ECC Registered	17	288-pin		
M393A4K40B2-CTD	DDR4	Samsung	32GB	Samsung	2R X4	1.2v	2666MHz	ECC Registered	19	288-pin		
CT32G4RFD4266.36FD1	DDR4	CRUCIAL	32GB	Micron	2R X4	1.2v	2666MHz	ECC Registered	19	288-pin		
CT32G4RFD4266.2G6D1	DDR4	CRUCIAL	32GB	Micron	2R X4	1.2v	2666MHz	ECC Registered	19	288-pin		
MTA36ASF4G72PZ-2G6D1RG	DDR4	Micron	32GB	Micron-Inphi	2R X4	1.2v	2666MHz	ECC Registered	19	288-pin		
MTA36ASF4G72PZ-2G6D1QK	DDR4	Micron	32GB	Micron-Montage	2R X4	1.2v	2666MHz	ECC Registered	19	288-pin		
CT32G4RFD4266-2G6D1	DDR4	CRUCIAL	32GB	Micron	2R X4	1.2v	2666MHz	ECC Registered	19	288-pin		
HMA82GR7AFR8N-VKT3	DDR4	SKhynix	16GB	SKhynix-Montage	2R X4	1.2v	2666MHz	ECC Registered	19	288-pin		
HMA84GR7AFR4N-VKTF	DDR4	SKhynix	32GB	SKhynix-IDT	2R X4	1.2v	2666MHz	ECC Registered	19	288-pin		
CT16G4RFD266-2G6H1.001	DDR4	CRUCIAL	16GB	Micron	2R X8	1.2v	2666MHz	ECC Registered	19	288-pin		
MTA18ASF2G72PDZ-2G6H1QG	DDR4	Micron	16GB	Micron	2R X8	1.2v	2666MHz	ECC Registered	19	288-pin		
CT32G4RFD4266-2G6H1.001	DDR4	CRUCIAL	32GB	Micron	2R X4	1.2v	2666MHz	ECC Registered	19	288-pin		
MTA36ASF4G72PZ-2G6H1QG	DDR4	Micron	32GB	Micron	2R X4	1.2v	2666MHz	ECC Registered	19	288-pin		
HMA82GR7AFR4N-VKT3	DDR4	SKhynix	16GB	SKhynix-Montage	1R X4	1.2v	2666MHz	ECC Registered	19	288-pin		
HMA84GR7AFR4N-VKTF	DDR4	SKhynix	32GB	SKhynix-Montage	2R X4	1.2v	2666MHz	ECC Registered	19	288-pin		
HMAA8GR7A2R4N-VNT3	DDR4	SKhynix	64GB	SKhynix	2S2R x4	1.2v	2666MHz	ECC Registered	19	288-pin		
CT16G4RFD266.18FD1	DDR4	CRUCIAL	16GB	Micron	2Rx8	1.2v	2666MHz	ECC Registered	19	288-pin		
CT16G4RFD266.2G6D1	DDR4	CRUCIAL	16GB	Micron	2Rx8	1.2v	2666MHz	ECC Registered	19	288-pin		
MTA18ASF2G72PDZ-2G6D1QG	DDR4	Micron	16GB	Micron-Montage	2Rx8	1.2v	2666MHz	ECC Registered	19	288-pin		
MTA18ASF2G72PDZ-2G6D1SG	DDR4	Micron	16GB	Micron-IDT	2Rx8	1.2v	2666MHz	ECC Registered	19	288-pin		
CT32G4RFD4266.2G6E1.001	DDR4	CRUCIAL	32GB	Micron	2Rx4	1.2v	2666MHz	ECC Registered	19	288-pin		
MTA18ASF2G72PDZ-2G6E1SG	DDR4	Micron	16GB	Micron	2Rx8	1.2v	2666MHz	ECC Registered	19	288-pin		
KSM26RS8/8HAI	DDR4	Kingston	8GB	SKhynix-IDT	1Rx8	1.2v	2666MHz	ECC Registered	19	288-pin		
KSM26RS4/16HAI	DDR4	Kingston	16GB	SKhynix-IDT	1Rx4	1.2v	2666MHz	ECC Registered	19	288-pin		
KSM26RD4/32HAI	DDR4	Kingston	32GB	SKhynix-IDT	2Rx4	1.2v	2666MHz	ECC Registered	19	288-pin		
LRDIMM												
HMAA8GL7AMR4N-UHTE	DDR4	SKhynix	64GB	SKhynix	4DRx4	1.2v	2400MHz	ECC Registered	17	288-pin		
M386A8K40B1-CRC4Q M	DDR4	Samsung	64GB	Samsung	4DRx4	1.2v	2400MHz	ECC Registered	17	288-pin		
HMAA8GL7AMR4N-VKTF	DDR4	SKhynix	64GB	SKhynix	4DRx4	1.2v	2666MHz	ECC Registered	19	288-pin		
Seagate HDD												
Product Name	Type	Vendor	Form Factor	Format	Capacity	Interface Speed	Series	Cache	RPM	Encryption	Note	
Seagate Enterprise Capacity 2.5 HDD												
ST2000NX0243	SATA	Seagate	2.5"	4Kn	2TB	6Gb/s	Enterprise Capacity 2.5	128MB	7200	N/A		
ST300MP0005	SAS	Seagate	2.5"	512n	300G	12Gb/s	Enterprise Capacity 2.5	128MB	15000	N/A	SAS For PCIe RAID Card	
ST1000NX0333	SAS	Seagate	2.5"	512e	1TB	12Gb/s	Enterprise Capacity 2.5	128MB	7200	N/A	SAS For PCIe RAID Card	
Seagate Enterprise Capacity 3.5 HDD												
ST8000NM0055	SATA	Seagate	3.5"	512e	8TB	6Gb/s	Enterprise Capacity 3.5	256MB	7200	N/A		
ST1000NM0016	SATA	Seagate	3.5"	512e	10TB	6Gb/s	Enterprise Capacity 3.5	256MB	7200	N/A		
ST8000NM0016	SATA	Seagate	3.5"	512e	8TB	6Gb/s	Enterprise Capacity 3.5	256MB	7200	N/A		
WD HDD												
Product Name	Type	Vendor	Form Factor	Format	Capacity	Interface Speed	Series	Cache	RPM	Encryption	Note	
Datacenter												
WD4000FYYZ-01UL1B1	SATA	WD	3.5"	512n	4TB	6Gb/s	WD Re	64MB	7200	N/A		
WD4000FYYZ-01UL1B2	SATA	WD	3.5"	512n	4TB	6Gb/s	WD Re	64MB	7200	N/A		
WD6001FSYZ-01SS7B0	SATA	WD	3.5"	512e	6TB	6Gb/s	WD Re	128MB	7200	N/A		
HGST HDD												
Product Name	Type	Vendor	Form Factor	Format	Capacity	Interface Speed	Series	Cache	RPM	Encryption	Note	
Enterprise Hard Drives												
HUH728080ALE604	SATA	HGST	3.5"	512e	8TB	6Gb/s	Ultrastar He8	128MB	7200	N/A		
HUS726060ALE610	SATA	HGST	3.5"	512e	6TB	6Gb/s	Ultrastar 7K6000	128MB	7200	N/A		
Toshiba HDD												
Product Name	Type	Vendor	Form Factor	Format	Capacity	Interface Speed	Series	Cache	RPM	Encryption	Note	
Enterprise Hard Drives												
MG05ACA800A	SATA	Toshiba	3.5"	4Kn	8TB	6Gb/s	Capacity	128MB	7200	N/A		
MG05ACA800E	SATA	Toshiba	3.5"	512e	8TB	6Gb/s	Capacity	128MB	7200	N/A		
AL14SEB18EQ	SAS	Toshiba	2.5"	512e	1.8TB	12Gb/s	Performance	128MB	15000	N/A	SAS For PCIe RAID Card	
AL14SEB120N	SAS	Toshiba	2.5"	512n	1.2TB	12Gb/s	Performance	128MB	10k	N/A	SAS For PCIe RAID Card	
SATA/SAS SSD												
Product Name	Type	Vendor	Form Factor	Interface	Capacity	Interface Speed	FW	Note				
SATA/SAS SSD												
XF1212-1A0512	SSD	Seagate	2.5"	SATA	480GB	6Gb/s	RLD4					
SDLF1CRR-019T-1HA1	SSD	SanDisk	2.5"	SATA	1.92TB	6Gb/s	ZR04					
M.2												
Product Name	Type	Vendor	Form Factor	Interface	Capacity	Interface Speed	Note					
M.2												
PX-G128Me-2280	M.2	PLEXTOR	2280	PCIe	128GB							
MZHPV256HDGL	M.2	Samsung	2280	PCIe	256GB							
MZVPV128HDGM	M.2	Samsung	2280	PCIe(NVMe)	128GB							
MZVPV512HDGL	M.2	Samsung	2280	PCIe(NVMe)	512GB							
ND280C-256GM-MT	M.2	TECHCOMP	2280	PCIe	256GB							
ND280C-512GM-MT	M.2	TECHCOMP	2280	PCIe	512GB							
Me.262-256GB-M.2	M.2	EzLink	2280	PCIe	256GB							
RAID Cards												
Model	RAID-on-Chip Controller	Host Bus Type	Internal Ports	Internal Connectors	External Ports	External Connectors	Data Transfer Rates	Note				
GIGABYTE Storage Cards												
GC-MSL2Z	LSI SAS 2008	PCIe- x8 Gen2	8		2 x Mini-SAS for 8x SAS		6Gb/s ports					
RA200-8	LSI SAS 2308	PCIe- x8 Gen3	8		2 x Mini-SAS for 8x SAS		6Gb/s ports					
RA201-A	LSI SAS 2208	PCIe- x8 Gen3	8		2 x Mini-SAS for 8x SAS		6Gb/s ports					

CRA3338	LSI SAS 3208	PCIe- x8 Gen3 x8 bus	8	2 x Mini-SAS HD for 8x SAS	-	-	12Gb/s ports	
CSA3548	LSI SAS 3008	PCIe- x8 Gen3 x8 bus	-	-	8	2 x external Mini-SAS HD SFF8644	12Gb/s ports	
CRA4448	LSI SAS 3108	PCIe- x8 Gen3 x8 bus	8	2 x internal Mini-SAS HD	-	-	12Gb/s ports	
LSI RAID Controller Cards								
MegaRAID SAS 9341-8i	LSISAS3008 PowerPC 476 controller @ 1.2 GHz	x8 lane PCI Express@ 3.0	8	2 x HD Mini-SAS SFF8643 (Horizontal)	-	-	Up to 12Gb/s per port	
PMC RAID Cards (Adaptec)								
Adaptec RAID 6805T	-	8-Lane PCIe Gen2	8	2 x Internal, SFF-8087, Top-	-	-	6 Gb/s per port	
Adaptec ASR-8885Q	-	8-lane PCIe Gen3	8	2 x internal mini SAS HD (SFF-8643).	8	2 x external mini SAS HD (SFF-8644)	12Gb/s per port	
LAN Cards								
Product Name	Connector	System Interface Type	# of Ports	System Interface Type	Data rate	Note		
GIGABYTE LAN Cards								
CLN4832	SFP+	PCIe x8 Gen2 x8	Dual	10Gb/s per port	INTEL 82599ES			
CLN4522	RJ-45	PCIe x8 Gen2 x8	Dual	10Gb/s per port	INTEL X540			
CLN4752	QSFP+	PCIe x8 Gen3 x8	Dual	40Gb/s per port	INTEL XL710			
CLN4314	RJ-45	PCIe x4 Gen2 x4	Quad	40Gb/s per port	INTEL I350-AM4			
GC-MLBZ1	SFP+	PCIe x8 Gen2 x8	Dual	10Gb/s per port	Broadcom BCM57810S			
Mellanox ConnectX@-3 VPI Adapter Cards								
MCX354A-FCBT	QSFP	PCIe 3.0	Dual	FDR and 40/56GbE				
Solarflare Onload Server Adapters								
SFN7322E	SFP+	8.0GT/s (Gen3)	Dual	10Gb/s per port				
Broadcom (Emulex) Ethernet Networking Adapters								
OCe14102-NX	SFP+	PCIe 3.0 x8	Dual	10Gb/s per port				
Transceiver / AOC / DAC								
Product Name / Product Number	Speed	Form Factor	Length	Connector type	nominal optical wavelength (nm)	Note		
Transceiver								
Avago AFBR-709DMZ	10Gb/1Gb	SFP+	N/A	LR	850			
UMEC PDGSFTSRL00	10Gb/1Gb	SFP+	N/A	LR	850			
WAVESPLITTER WST-SFP+SRc-C	10Gb/1Gb	SFP+	N/A	SR	850			
Finisar FTLX8574D3BCV	10Gb/1Gb	SFP+	N/A	SR	850			
Active Optical Cables (AOC)								
Avago AFBR-7CER03Z	10Gb	SFP+	3M	N/A	850			
Direct Attach Copper (DAC)								
Amphenol 586710004	10Gb	SFP+	7M	N/A	850			
MOLEX 747524501	10Gb	SFP+	5M	N/A	850			
PSU								
Product Name	Vendor	Input Voltage	Wattage	Application	Efficiency	Note		
PSU								
DELTA DPS-1600EB A (Redundancy)	DELTA	100-127ac 200-240ac	1000W 1600W	Desktop/Server	N/A			
FSP FSP1200-50AAG (Redundancy)	FSP	100-240ac	1200W	Desktop/Server	N/A			
LITEON PS-2751-5L	LITEON	100-240ac	750W	Desktop/Server	N/A			
DELTA DPS-600AB-1 D	DELTA	100-240ac	600W	Desktop/Server	N/A			
FSP-YH-5651M (Redundancy)	FSP	100-240vac	565W	Desktop/Server	N/A	For R151-Z30 system		
PS-2801-8L (Redundancy)	LITEON	100-240vac	800W	Desktop/Server	N/A	For R271-Z31 system		
PCIe SSD								
Product Name	Type	Vendor	Form Factor	Interface	Capacity	Interface Speed	Note	
PCIe SSD								
SSDPEDKX0401701 P4500 Series PCIe Gen3 x4 4TB	PCIe	Intel	PCIe	PCIe(NVMe)	4TB	-		