

R151-Z30 Qualification Vender List Ver:1.0

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 PS7601BDVIHAF	Naples	SP3	PR	64MB	32 / 64	2.20	2.70	3.20 / 3	180W	DDR4-2666	None
AMD 7551 PS7551BDVIHAF	Naples	SP3	PR	64MB	32 / 64	2.00	2.55	3.00 / 3	180W	DDR4-2666	None
AMD 7451 PS7451BDVHCAFA	Naples	SP3	PR	64MB	24 / 48	2.30	3.20	3.20 / 3	180W	DDR4-2666	None
AMD 7351 PS7351BEVGPAP	Naples	SP3	PR	64MB	16 / 32	2.40	2.90	2.90 / 2	155/170W	DDR4-2400/2666	None
AMD 7351P PS7351PBEVGPAP	Naples	SP3	PR	64MB	16 / 32	2.40	2.90	2.90 / 2	155/170W	DDR4-2400/2666	None
AMD 7501 PS7501BEVIHAF	Naples	SP3	PR	64MB	32 / 64	2.00	2.60	3.00 / 3	155/170W	DDR4-2400/2666	None
AMD 7401 PS7401BEVHCAFA	Naples	SP3	PR	64MB	24 / 48	2.00	2.80	3.00 / 3	155/170W	DDR4-2400/2666	None
AMD 7401P PS7401PBEVHCAFA	Naples	SP3	PR	64MB	24 / 48	2.00	2.80	3.00 / 3	155/170W	DDR4-2400/2666	None
AMD 7301 PS7301BEVGPAP	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	
CT16G4RFD424A.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	
MTA18ASF2G72PZ-2G6H1QIG	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-2G6H1QIG	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-IDT	1R X4	1.2v	2666MHz	ECC Registered	19	288-pin	
HMA84GR7AFR4N-VKT3	DDR4	SKhynix	32GB	SKhynix-Montage	2R 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	
MTA18ASF2G72PZ-2G6D1QIG	DDR4	Micron	16GB	Micron-Montage	2Rx8	1.2v	2666MHz	ECC Registered	19	288-pin	
MTA18ASF2G72PZ-2G6D1SG	DDR4	Micron	16GB	Micron-IDT	2Rx8	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	Capacity	Interface Speed	Series	Cache	RPM	Encryption	Note	
Seagate Enterprise Capacity 3.5 HDD											
ST8000NM0055	SATA	Seagate	3.5"	512e	8TB	8Gb/s	Enterprise Capacity 3.5	256MB	7200	N/A	
ST10000NM0016	SATA	Seagate	3.5"	512e	10TB	8Gb/s	Enterprise Capacity 3.5	256MB	7200	N/A	
ST8000NM0016	SATA	Seagate	3.5"	512e	8TB	8Gb/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-01ULB1	SATA	WD	3.5"	512n	4TB	8Gb/s	WD Re	64MB	7200	N/A	
WD4000FYYZ-01ULB2	SATA	WD	3.5"	512n	4TB	8Gb/s	WD Re	64MB	7200	N/A	
WD6001FSYZ-01SS7B0	SATA	WD	3.5"	512e	6TB	8Gb/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											
HUH728090ALE604	SATA	HGST	3.5"	512e	8TB	8Gb/s	Ultrastar He8	128MB	7200	N/A	
HUS726060ALE610	SATA	HGST	3.5"	512e	6TB	8Gb/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	8Gb/s	Capacity	128MB	7200	N/A	
MG05ACA800E	SATA	Toshiba	3.5"	512e	8TB	8Gb/s	Capacity	128MB	7200	N/A	
M.2											
Product Name	Type	Vendor	Form Factor	Interface	Capacity	Interface Speed	Note				
M.2											
PX-G128M6e-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 x8 bus	8	2 x Mini-SAS for 8x SAS	-	-	6Gb/s ports				
RA200-8	LSI SAS 2308	PCIe- x8 Gen3 x8 bus	8	2 x Mini-SAS for 8x SAS	-	-	6Gb/s ports				
RA201-A	LSI SAS 2208	PCIe- x8 Gen3 x8 bus	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						
SFN7322F	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	