

R271-Z31 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 Max Freq (GHz)	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 PS7451BDVHCAFA	Naples	SP3	PR	64MB	24 / 48	2.30	3.20	3.20 / 3	180W	DDR4-2666	None
AMD 7351 PS7351BEVGPFA	Naples	SP3	PR	64MB	16 / 32	2.40	2.90	2.90 / 2	155/170W	DDR4-2400/2666	None
AMD 7351P PS7351PBEVGPFA	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 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 PS7301BEVGPFA	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	
MTA18ASF2G72PZ-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	
M393AAK40B81-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	
M393AAK40B82-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-Inphii	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	
CT16G4RFD8266_2G6H1.001	DDR4	CRUCIAL	16GB	Micron	2R X8	1.2v	2666MHz	ECC Registered	19	288-pin	
MTA18ASF2G72PZ-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	
HMA82GR7AFR4N-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	
CT16G4RFD8266_18FD1	DDR4	CRUCIAL	16GB	Micron	2Rx8	1.2v	2666MHz	ECC Registered	19	288-pin	
CT16G4RFD8266_2G6D1	DDR4	CRUCIAL	16GB	Micron	2Rx8	1.2v	2666MHz	ECC Registered	19	288-pin	
MTA18ASF2G72PZ-2G6D1QG	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											
HMA8GL7AMR4N-UHTE	DDR4	SKhynix	64GB	SKhynix	4DRx4	1.2v	2400MHz	ECC Registered	17	288-pin	
M386A8K40B81-CRC4Q M	DDR4	Samsung	64GB	Samsung	4DRx4	1.2v	2400MHz	ECC Registered	17	288-pin	
HMA8GL7AMR4N-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	128MB	7200	N/A	
ST300MP0005	SAS	Seagate	2.5"	512n	300G	12Gb/s	Enterprise Capacity	128MB	15000	N/A	SAS For PCIe RAID Card
ST1000NX0333	SAS	Seagate	2.5"	512e	1TB	12Gb/s	Enterprise Capacity	128MB	7200	N/A	SAS For PCIe RAID Card
Toshiba HDD											
Product Name	Type	Vendor	Form Factor	Format	Capacity	Interface Speed	Series	Cache	RPM	Encryption	Note
Enterprise Hard Drives											
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	RL04				
SDLF1CR-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											
BX-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-MSL_Z2	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 SFF8643	-	-	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 mount)	-	-	Up to 12Gb/s per port				
PMC RAID Cards (Adaptec)											
Adaptec RAID 6805T	-	8-Lane PCIe Gen2	8	2 x Internal, SFF-8087, Top-Mounted	-	-	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											
GLN4832	SFP+	PCIe x8 Gen2 x8	Dual	10Gb/s per port	INTEL 82599ES						
GLN4522	RJ-45	PCIe x8 Gen2 x8	Dual	10Gb/s per port	INTEL X540						
GLN4314	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	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		
PCIe SSD						
Product Name	Type	Vendor	Form Factor	Interface	Capacity	Interface Speed
PCIe SSD						
SSDPEDKX040T701 P4500 Series PCIe Gen3 x4 4TB	PCIe	Intel	PCI-E 3.0	PCIe(NVMe)	4TB	-
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 PDGSFTSR100	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	