

"R281-Z91"Qualification Vender List

Please contact FAE support for below orange blocks

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
AMD 7601 PS7601BDVIHAF	Naples	SP3	B2	64MB	32 / 64	2.20	2.70	3.20 / 3	180W	DDR4-2666
AMD 7551 PS7551BDVIHAF	Naples	SP3	B2	64MB	32 / 64	2.00	2.55	3.00 / 3	180W	DDR4-2666
AMD 7451 PS7451BDVHCAF	Naples	SP3	B2	64MB	24 / 48	2.30	3.20	3.20 / 3	180W	DDR4-2666
AMD 7351 PS7351BEVGPAP	Naples	SP3	B2	64MB	16 / 32	2.40	2.90	2.90 / 2	155/170W	DDR4-2400/2666
AMD 7501 PS7501BEVIHAF	Naples	SP3	B2	64MB	32 / 64	2.00	2.60	3.00 / 3	155/170W	DDR4-2400/2666
AMD 7401 PS7401BEVHCAF	Naples	SP3	B2	64MB	24 / 48	2.00	2.80	3.00 / 3	155/170W	DDR4-2400/2666
AMD 7301 PS7301BEVGPAP	Naples	SP3	B2	64MB	16 / 32	2.20	2.70	2.70 / 2	155/170W	DDR4-2400/2666
AMD 7281 PS7281BEVGAAP	Naples	SP3	B2	32MB	16 / 32	2.10	2.70	2.70	155/170W	DDR4-2400/2666
AMD 7261 PS7261BEFV8RAF	Naples	SP3	B2	64MB	8 / 16	2.50	2.90	2.90	155/170W	DDR4-2400/2666
AMD 7251 PS7251BFV8SAF	Naples	SP3	B2	32MB	8 / 16	2.00	2.90	2.90 / 2	120W	DDR4-2400
AMD 7371 PS7371BDVGPAP	Naples	SP4	B2	64MB	16 / 32	3.10	3.60	3.80 /	200W	DDR4-2666

Memory

Product Name	Memory Type	Module Supplier	Size	Chip Brand	Rank	Voltage	Data Transfer Rate	Error Correction	CAS Latency	Pins
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RDIMM

TR416G26S419-VKA	DDR4	V-color	16GB	Skhynix-Inphi	1Rx4	1.2v	2666MHz	ECC Registered	19	288-pin
TR432G26D419-VKA	DDR4	V-color	32GB	Skhynix-Inphi	2Rx4	1.2v	2666MHz	ECC Registered	19	288-pin
CT32G4RFD4266-2G6H1.001	DDR4	Crucial	32GB	Micron	2Rx4	1.2v	2666MHz	ECC Registered	19	288-pin
MTA36ASF4G72PZ-2G6H1QG	DDR4	Micron	32GB	Micron	2Rx4	1.2v	2666MHz	ECC Registered	19	288-pin
CT16G4RFD8266-2G6H1.001	DDR4	CRUCIAL	16GB	Micron	2Rx8	1.2v	2666MHz	ECC Registered	19	288-pin
MTA18ASF2G72PDZ-2G6H1QG	DDR4	Micron	16GB	Micron	2Rx8	1.2v	2666MHz	ECC Registered	19	288-pin
M4R0-AGS1BCSJ	DDR4	INNODISK	16GB	Samsung	2R X8	1.2V	2400MHz	ECC Registered	17	288-pin
M393A2K43BB1-CRC0Q	DDR4	Samsung	16GB	Samsung	2R X8	1.2V	2400MHz	ECC Registered	17	288-pin
VP9MR2G7228JBJSB	DDR4	Viking	16GB	Samsung	2R X8	1.2V	2400MHz	ECC Registered	17	288-pin
M393A2K43BB1-CTD6Q	DDR4	Samsung	16GB	Samsung	2R X8	1.2V	2666MHz	ECC Registered	19	288-pin
M393A2K40CB2-CTD6Q	DDR4	Samsung	16GB	Samsung-Montage	1Rx4	1.2v	2666MHz	ECC Registered	19	288-pin
M393A2K40BB2-CTD	DDR4	Samsung	16GB	Samsung	1Rx4	1.2v	2666MHz	ECC Registered	19	288-pin
M393A4K40BB2-CTD	DDR4	Samsung	32GB	Samsung	2Rx4	1.2v	2666MHz	ECC Registered	19	288-pin
M393A8K40B22-CWD6Q	DDR4	Samsung	64GB	Samsung	2S2Rx4	1.2v	2666MHz	ECC Registered	17	288-pin
M393A4K40CB2-CTD7Q	DDR4	Samsung	32GB	Samsung-IDT	2Rx4	1.2v	2666MHz	ECC Registered	19	288-pin
CT16G4RFD8266-2G6E1.001	DDR4	Crucial	16GB	Micron	2Rx8	1.2v	2666MHz	ECC Registered	19	288-pin
CT16G4RFD8266.18FE1	DDR4	Crucial	16GB	Micron	2Rx8	1.2v	2666MHz	ECC Registered	19	288-pin
MTA18ASF2G72PDZ-2G6E1SG	DDR4	Micron	16GB	Micron	2Rx8	1.2v	2666MHz	ECC Registered	19	288-pin
MTA18ASF2G72PDZ-2G6E1QG	DDR4	Micron	16GB	Micron-Montage	2Rx8	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
CT32G4RFD4266.2G6H1.001	DDR4	CRUCIAL	32GB	Micron	2Rx4	1.2v	2666MHz	ECC Registered	19	288-pin
MTA18ASF2G72PDZ-2G6D1	DDR4	Micron	16GB	Micron	2Rx8	1.2v	2666MHz	ECC Registered	19	288-pin
CT32G4RFD4266.36FD1	DDR4	CRUCIAL	32GB	Micron	2Rx4	1.2v	2666MHz	ECC Registered	19	288-pin

CT32G4RFD4266-2G6D1.001	DDR4	CRUCIAL	32GB	Micron	2Rx4	1.2v	2666MHz	ECC Registered	19	288-pin
MTA36ASF4G72PZ-2G6D1	DDR4	Micron	32GB	Micron	2Rx4	1.2v	2666MHz	ECC Registered	19	288-pin
CT32G4RFD4266-2G6D1	DDR4	CRUCIAL	32GB	Micron	2Rx4	1.2v	2666MHz	ECC Registered	19	288-pin
HMA82GR7AFR4N-VKT3	DDR4	SKhynix	16GB	Skhynix-Montage	1Rx4	1.2v	2666MHz	ECC Registered	19	288-pin
HMA82GR7AFR4N-VKTF	DDR4	SKhynix	16GB	Skhynix-IDT	1Rx4	1.2v	2666MHz	ECC Registered	19	288-pin
HMA84GR7AFR4N-VKT3	DDR4	SKhynix	32GB	Skhynix-Montage	2Rx4	1.2v	2666MHz	ECC Registered	19	288-pin
HMA84GR7AFR4N-VKTF	DDR4	SKhynix	32GB	Skhynix-IDT	2Rx4	1.2v	2666MHz	ECC Registered	19	288-pin
HMA84GR7CJR4N-VKT3	DDR4	SKhynix	32GB	Skhynix-IDT	2Rx4	1.2v	2666MHz	ECC Registered	19	288-pin
KSM26RD4/32HAI	DDR4	Kingston	32GB	Skhynix-IDT	2Rx4	1.2v	2666MHz	ECC Registered	19	288-pin
KSM26RS4/16HAI	DDR4	Kingston	16GB	Skhynix-IDT	1Rx4	1.2v	2666MHz	ECC Registered	19	288-pin
KSM26RS8/8HAI	DDR4	Kingston	8GB	Skhynix-IDT	1Rx8	1.2v	2666MHz	ECC Registered	19	288-pin
CT16G4RFD4266-2G6E1.001	DDR4	Crucial	16GB	Micron	2Rx4	1.2V	2666MHz	ECC Registered	19	288-pin
MTA36ASF2G72PZ-2G6E1	DDR4	Micron	16GB	Micron	2Rx4	1.2V	2666MHz	ECC Registered	19	288-pin
CT32G4RFD4266.2G6E1.001	DDR4	Crucial	32GB	Micron	2Rx4	1.2V	2666MHz	ECC Registered	19	288-pin
CT32G4RFD4266.36FE1	DDR4	Crucial	32GB	Micron	2Rx4	1.2V	2666MHz	ECC Registered	19	288-pin
MTA36ASF4G72PZ-2G6E1	DDR4	Micron	32GB	Micron	2Rx4	1.2V	2666MHz	ECC Registered	19	288-pin
M393A2G40EB2-CTD	DDR4	Samsung	16GB	Samsung	2Rx4	1.2V	2666MHz	ECC Registered	19	288-pin
LRDIMM										
HMAA8GL7AMR4N-VKTF	DDR4	SKhynix	64GB	SKhynix	4DRx4	1.2v	2666MHz	ECC Registered	17	288-pin
M386A8K40BM2-CTD7Q	DDR4	Samsung	64GB	Samsung	4DRx4	1.2v	2666MHz	ECC Registered	17	288-pin
Seagate HDD (SAS HDD may need RAID Card support)										
Product Name	Type	Vendor	Form Factor	Format	Capacity	Interface Speed	Series	Cache	RPM	Encryption
Seagate Enterprise Capacity 2.5 HDD										
ST2000NX0253	SATA	Seagate	2.5"	512E	2TB	6Gb/s	Exos 7E2000 (Enterprise Capacity V.3)	128MB	7200	N/A
SATA/SAS SSD										
Product Name	Type	Vendor	Form Factor	Interface	Capacity	Interface Speed	FW	Note		
SATA/SAS SSD										
SSDSC2KB480G701 (Series DC S4500)	SSD	Intel	2.5"	SATA	480GB	6Gb/s				
SSDSC2KB960G701 (Series DC S4500)	SSD	Intel	2.5"	SATA	960GB	6Gb/s				
SSDSC2KG019T701 (Series DC S4600)	SSD	Intel	2.5"	SATA	1.92TB	6Gb/s				
MZ7KM1T9HMJP-0005 (SM863a)	SSD	Samsung	2.5"	SATA	1.92TB	6Gb/s				
Micron 5100 MTFDDAK960TBY-1AR1ZABYY	SSD	Micron	2.5"	SATA	960GB	6Gb/s				
SRE100-960G00210000	SSD	Phison	2.5"	SATA	960GB	6Gb/s				
SRE100-480G00210000	SSD	Phison	2.5"	SATA	480GB	6Gb/s				
PCIe SSD										
Product Name	Type	Vendor	Form Factor	Interface	Capacity	Interface Speed	Note			
PCIe SSD										
SSDPEDKX040T701 P4500 Series PCIe Gen3 x4 4TB	PCIe	Intel	PCI-E 3.0	PCIe(NVMe)	4TB	-				
Samsung PM1725a MZPLL1T6HEHP PCIe Gen3 x8 1.6TB	PCIe	Samsung	PCI-E 3.0	PCIe(NVMe)	1.6TB	-				
Techman XC100C5C-1600 1600GB	PCIe	Techman	PCI-E 3.0	PCIe(NVMe)	1.6TB	-				
U.2										
SSDPE2MD800G4 P3700Series	U.2	Intel	2.5"	SFF8639(NVMe)	800GB	-				
SSDPE2KE032T701 P4600 Series	U.2	Intel	2.5"	SFF8639(NVMe)	3.2TB	-				
SSDPE2KX010T701 P4500 Series	U.2	Intel	2.5"	SFF8639(NVMe)	1TB	-				
SSDPE7KX010T701 P4501 Series	U.2	Intel	2.5"	SFF8639(NVMe)	1TB	-				
MZWLL3T2HMJP PM1725a Series	U.2	Samsung	2.5"	SFF8639(NVMe)	3.2TB	-				
MZQLW1T9HMJP PM963 Series	U.2	Samsung	2.5"	SFF8639(NVMe)	1.92TB	-				
MTFDHAL3T2MCE	U.2	Micron	2.5"	SFF8639(NVMe)	3.2TB	-				

XC100E55	U.2	Techman	2.5"	SFF8639(NVMe)	1.6TB	-		
MZ-QLB1T9N 983 DCT Series	U.2	Samsung	2.5"	SFF8639(NVMe)	1.92TB	-		
M.2								
Product Name	Type	Vendor	Form Factor	Interface	Capacity	Interface Speed	Note	
M.2								
SSDPEKKA256G801 P4101 Series 256GB	M.2	Intel	2280	PCIe(NVMe)	256GB			
SSDPEKKA010T801 P4101 Series 1TB	M.2	Intel	2280	PCIe(NVMe)	1TB			
SSDPEKKA256G701 P3100 Series 256GB	M.2	Intel	2280	PCIe(NVMe)	256GB			
SSDPEKKA010T701 P3100 Series 1TB	M.2	Intel	2280	PCIe(NVMe)	1TB			
AF1TSMJA-YT1 ATP N600c Series 1TB	M.2	ATP	2280	PCIe(NVMe)	1TB			
Techman M.2-2280 PV100D5N 480GB	M.2	Techman	2280	PCIe(NVMe)	480GB			
MZVPV128HDGM	M.2	Samsung	2280	PCIe(NVMe)	128GB			
MZVPV512HDGL	M.2	Samsung	2280	PCIe(NVMe)	512GB			
M.2 PCIe Card								
Product Name	Type	Vendor	Form Factor	Interface	Max. Channels	Interface Speed	Note	
CMT2014	PCIe	Gigabyte	22110	PCIe(NVMe)	4	Gen3 x 16bus		
CMT4032	PCIe	Gigabyte	22110	PCIe(NVMe)	2	Gen3 x 8bus		
CMT4034	PCIe	Gigabyte	22110	PCIe(NVMe)	4	Gen3 x 16bus		
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								
CRA3338	LSI SAS 3008	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	
CRA4548	LSI SAS 3108	PCIe- x8 Gen3 x8 bus	4	1 x internal Mini-SAS HD SFF8643	4	1 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	
CRAO438	LSI SAS 3108	OCP PCIe- x8 Gen3 x8 bus	8	2 x SlimSAS ports	-	-	12Gb/s ports	
CRAO338	LSI SAS 3008	OCP PCIe- x8 Gen3 x8 bus	8	2 x SlimSAS ports	-	-	12Gb/s ports	only support 14 HDDS
CRAO358	LSI SAS 3008	OCP PCIe- x8 Gen3 x8 bus	4	1 x internal SlimSAS port	1	1 x OCuLink port	12Gb/s ports	only support 14 HDDS
CRAO558	LSI SAS 3108	OCP PCIe- x8 Gen3 x8 bus	4	1 x internal SlimSAS port	1	1 x OCuLink port	12Gb/s ports	
LSI RAID Controller Cards								
MegaRAID SAS 9380-8e	LSISAS3108 dual core RAID on Chip (ROC)	x8 lane PCI Express® 3.0	-	-	8	2 x Mini-SAS HD SFF8644	Up to 12Gb/s per port	only support 8 HDDS
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	
MegaRAID SAS 9361-8i	LSISAS3108 dual core RAID on Chip (ROC)	x8 lane PCI Express® 3.0	8	2 x HD Mini-SAS SFF8643 (Horizontal mount)	-	-	Up to 12Gb/s per port	
MegaRAID SAS 9440-8i	SAS3408 I/O controller (IOC)	x8 lane PCI Express® 3.1	8	2 x Mini-SAS HD SFF-8643	-	-	12Gb/s SAS 3.0	
MegaRAID SAS 9460-8i	SAS3508 dual-core RAID-on-Chip (ROC)	x8 lane PCI Express® 3.1	8	2 x Mini-SAS HD SFF-8643	-	-	12Gb/s SAS 3.0	
MegaRAID SAS 9460-16i	SAS3516 dual-core RAID-on-Chip (ROC)	x8 lane PCI Express® 3.1	8	4 x Mini-SAS HD SFF-8643	-	-	12Gb/s SAS 3.0	
LSI Host Bus Adapters (HBAs)								
LSI SAS 9300-8i	SAS3008	x8 lane PCI Express® 3.0	8	2 x Mini-SAS HD SFF-8643	-	-	12Gb/s SAS 3.0	

LSI SAS 9400-8i	SAS3408	x8 lane PCI Express® 3.1	8	2 x Mini-SAS HD SFF-8643	-	-	12Gb/s SAS 3.0	
LSI SAS 9400-16i	SAS3416	x8 lane PCI Express® 3.1	16	4 x Mini-SAS HD SFF-8643	-	-	12Gb/s SAS 3.0	
PMC RAID Cards (Adaptec)								
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	
Adaptec ASR-81605ZQ	-	8-lane PCIe Gen3	16	4 x internal mini SAS HD (SFF-8643)	-	-	12Gb/s per port	
Microsemi RAID Cards								
SmartRAID 3154-8i	SmartROC 3100	8-Lane PCIe Gen3	8	2 x Internal, SFF-8643	-	-	12 Gb/s per port	
SmartRAID 3154-16i	SmartROC 3100	8-Lane PCIe Gen3	16	4 x Internal, SFF-8643	-	-	12 Gb/s per port	
Microsemi Host Bus Adapters								
SmartHBA 2100-8i	12 Gbps IOC	8-Lane PCIe Gen3	8	2 x Internal, SFF-8643	-	-	12 Gb/s per port	
HBA 1100-16i	12 Gbps IOC	8-Lane PCIe Gen3	16	4 x Internal, SFF-8643	-	-	12 Gb/s per port	
HBA 1100-24i	12 Gbps IOC	8-Lane PCIe Gen3	24	6 x Internal, SFF-8643	-	-	12 Gb/s per port	
LAN Cards								
Product Name	Connector	System Interface Type	# of Ports	System Interface Type	Data rate	Note		
GIGABYTE LAN Cards								
CLNO832	SFP+	OCP PCIe x8 Gen2 x8	Dual	10Gb/s per port	INTEL 82599ES			
CLN4831	SFP+	PCIe x8 Gen2 x8	Single	10Gb/s per port	INTEL 82599EN			
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			
CLN4751	QSFP+	PCIe x8 Gen3 x8	Single	40Gb/s per port	INTEL XL710			
CLN4752	QSFP+	PCIe x8 Gen3 x8	Dual	40Gb/s per port	INTEL XL710			
CLN4222	RJ-45	PCIe x8 Gen3 x4	Dual	10Gb/s per port	INTEL X550-AT2			
CLN4312	RJ-45	PCIe x4 Gen2 x4	Dual	1Gb/s per port	INTEL i350-AM2			
CLN4314	RJ-45	PCIe x4 Gen2 x4	Quad	1Gb/s per port	INTEL i350-AM4			
CLN4M34	SFP28	PCIe Gen3 x16	Quad	10Gb/s per port	Mellanox ConnectX-4			
CLN4C42	SFP28	PCIe Gen3 x16	Dual	25Gb/s per port	Mellanox ConnectX-4			
GC-MNXE21	SFP+	PCIe x8 Gen3 x8	Dual	10Gb/s per port	Mellanox ConnectX-3			
GC-MLBZ1	SFP+	PCIe x8 Gen2 x8	Dual	10Gb/s per port	Broadcom BCM57810S			
Intel_10GbE								
Intel® Ethernet Converged Network Adapter X550-T2	RJ-45	PCIe v3.0 (8.0 GT/s)	Dual	10Gb/s per port				
Intel® Ethernet Converged Network Adapter X520-DA2	SFP+	PCIe v2.0 (5.0GT/s)	Dual	10Gb/s per port				
Intel® Ethernet Converged Network Adapter X710-DA4	SFP+	PCIe v3.0 (8.0 GT/s)	Quad	10Gb/s per port				
Intel_25GbE								
Intel® Ethernet Network Adapter XXV710-DA1 for OCP	SFP28	OCP PCIe v3.0 (8.0 GT/s)	Single	25Gb/s per port	Support OCP 2.0 type1			
Intel® Ethernet Network Adapter XXV710-DA2 for OCP	SFP28	OCP PCIe v3.0 (8.0 GT/s)	Dual	25Gb/s per port	Support OCP 2.0 type1			
Intel® Ethernet Network Adapter XXV710-DA2	SFP28	PCIe v3.0 (8.0 GT/s)	Dual	25Gb/s per port				
Intel_40GbE								
Intel® Ethernet Server Adapter XL710-QDA2 for OCP	QSFP+	OCP PCIe v3.0 (8.0 GT/s)	Dual	40Gb/s per port	Support OCP 2.0			
Intel® Ethernet Converged Network Adapter XL710-QDA2	QSFP+	PCIe v3.0 (8.0 GT/s)	Dual	40Gb/s per port				
Mellanox ConnectX								
MCX512A-ACAT	SFP28	PCIe Gen3 x8	Dual	25Gb/s per port	Mellanox ConnectX-5 EN			
MCX4421A-ACQN	SFP28	OCP PCIe Gen3 x8	Dual	25Gb/s per port	Mellanox ConnectX-4 Lx EN / Support OCP 2.0			
MCX4121A-ACAT	SFP28	PCIe Gen3 x8	Dual	25Gb/s per port	Mellanox ConnectX-4 Lx EN			
Solarflare Onload Server Adapters								

SFN7322F	SFP+	PCIe 8.0GT/s (Gen3)	Dual	10Gb/s per port	
Qlogic LAN Adapters					
QLE3442-CU-CK	SFP+	PCIe x8 Gen3 x8	Dual	10Gb/s per port	
QLE3442-RJ-CK	RJ-45	PCIe x8 Gen3 x8	Dual	10Gb/s per port	
QL41212HLCU-SP	SFP28	PCIe x8 Gen3 x8	Dual	25Gb/s per port	
QL41132HLCU-SP	SFP28	PCIe x8 Gen3 x8	Dual	10Gb/s per port	
USB Device					
Product Name	Type	Vendor	Capacity	Note	
USB 3.0					
PURE CLASSIC X176B1FWBO75	HDD	Gigabyte	500G		
NU EBC113	Blue-ray	NU			
NU ESW863 8X SLIM	DVD	NU			
SILICON POWER BLAZE B10 16GB	Flash	SILICON	16G		