

"R181-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 PS7281BEVGAAF	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 PS7251BEFV8SAF	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
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
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	2Rx8	1.2v	2666MHz	ECC Registered	19	288-pin
M393A2K40CB2-CTD6Q	DDR4	Samsung	16GB	Samsung-Montage	1Rx4	1.2v	2666MHz	ECC Registered	19	288-pin
M393A2K43BB1-CTD6Q	DDR4	Samsung	16GB	Samsung	2R X8	1.2V	2666MHz	ECC Registered	19	288-pin
M393A4K40CB2-CTD7Q	DDR4	Samsung	32GB	Samsung-IDT	2Rx4	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
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
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
CT32G4RFD4266.2G6H1.001	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
MTA36ASF7G2PZ-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
MTA36ASF7G2PZ-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										
ST1000NX0313	SATA	Seagate	2.5"	512e	1TB	6Gb/s	Exos 7E2000 (Enterprise Capacity V.3)	128MB	7200	N/A
ST2000NX0243	SATA	Seagate	2.5"	4Kn	2TB	6Gb/s	Exos 7E2000 (Enterprise Capacity V.3)	128MB	7200	N/A
ST2000NX0403	SATA	Seagate	2.5"	512n	2TB	6Gb/s	Exos 7E2000 (Enterprise Capacity V.3)	128MB	7200	N/A
ST2000NX0253	SATA	Seagate	2.5"	512E	2TB	6Gb/s	Exos 7E2000 (Enterprise Capacity V.3)	128MB	7200	N/A
ST14000NM0018	SATA	Seagate	3.5"	512e	14TB	6Gb/s	Exos A14 (Enterprise Capacity)	256MB	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				
SSDSC2KG960G701 (Series DC S4600)	SSD	Intel	2.5"	SATA	960GB	6Gb/s				
SSDSC2KG019T701 (Series DC S4600)	SSD	Intel	2.5"	SATA	1.92TB	6Gb/s				
MZ7KM1T9HJMJP-0005 (SM863a)	SSD	Samsung	2.5"	SATA	1.92TB	6Gb/s				
MZ-7LH1T9NE 883 DCT Series	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				
XA960LE10063	SSD	Seagate	2.5"	SATA	960GB	6Gb/s				
XA480LE10103	SSD	Seagate	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	-				
HUAWEI ES3600C V3 PCIe Gen3 x4 3.2TB	PCIe	HUAWEI	PCI-E 3.0	PCIe(NVMe)	3.2TB	-				
U.2										
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	-				
MZQLW1T9HJMJP PM963 Series	U.2	Samsung	2.5"	SFF8639(NVMe)	1.92TB	-				
MZ-OLB1T9N V-NAND SSD 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	
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	
CRAO358	LSI SAS 3008	OCP PCIe- x8 Gen3 x8 bus	4	1 x internal SlimSAS port	1	1 x OcuLink port	12Gb/s ports	
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	
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 Mini-SAS HD x4 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 Mini-SAS HD x4 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 Mini-SAS HD x4 SFF-8643	12Gb/s SAS 3.0	
Microsemi RAID Cards								
SmartRAID 3154-8i	PM8204	8-Lane PCIe Gen3	8	2 x Internal, SFF-8643	-	-	12 Gb/s per port	
SmartRAID 3154-16i	PM8236	8-Lane PCIe Gen3	16	4 x Internal, SFF-8643	-	-	12 Gb/s per port	
Microsemi Host Bus Adapters								
SmartHBA 2100-8i	PM8222	8-Lane PCIe Gen3	8	2 x Internal, SFF-8643	-	-	12 Gb/s per port	
HBA 1100-16i	PM8242	8-Lane PCIe Gen3	16	4 x Internal, SFF-8643	-	-	12 Gb/s per port	
HBA 1100-24i	PM8238	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						
CLN0832	SFP+	OCPClE x8 Gen2 x8	Dual		10Gb/s per port	INTEL 82599ES
CLN4831	SFP+	PClE x8 Gen2 x8	Single		10Gb/s per port	INTEL 82599EN
CLN4831	SFP+	PClE x8 Gen2 x8	Single		10Gb/s per port	INTEL 82599EN
CLN4832	SFP+	PClE x8 Gen2 x8	Dual		10Gb/s per port	INTEL 82599ES
CLN4522	RJ-45	PClE x8 Gen2 x8	Dual		10Gb/s per port	INTEL X540
CLN4751	QSFP+	PClE x8 Gen3 x8	Single		40Gb/s per port	INTEL XL710
CLN4752	QSFP+	PClE x8 Gen3 x8	Dual		40Gb/s per port	INTEL XL710
CLN4121	RJ-45	PClE x8 Gen3 x4	Single		10Gb/s per port	INTEL X550-AT
CLN4222	RJ-45	PClE x8 Gen3 x4	Dual		10Gb/s per port	INTEL X550-AT2
CLN4312	RJ-45	PClE x4 Gen2 x4	Dual		1Gb/s per port	INTEL i350-AM2
CLN4314	RJ-45	PClE x4 Gen2 x4	Quad		1Gb/s per port	INTEL i350-AM4
CLN4M34	SFP28	PClE Gen3 x16	Quad		10Gb/s per port	Mellanox ConnectX-4
GC-MNXE21	SFP+	PClE x8 Gen3 x8	Dual		10Gb/s per port	Mellanox ConnectX-3
GC-MLBZ1	SFP+	PClE x8 Gen2 x8	Dual		10Gb/s per port	Broadcom BCM57810S
Intel_GbE						
Intel® Ethernet Server Adapter I350-T4	RJ-45	PClE v2.1 (5.0GT/s)	Quad		1Gb/s per port	
Intel_10GbE						
Intel® Ethernet Converged Network Adapter X550-T2	RJ-45	PClE v3.0 (8.0 GT/s)	Dual		10Gb/s per port	
Intel® Ethernet Converged Network Adapter X520-DA2	SFP+	PClE v2.0 (5.0GT/s)	Dual		10Gb/s per port	
Intel® Ethernet Converged Network Adapter X710-T4	RJ-45	PClE v3.0 (8.0 GT/s)	Quad		10Gb/s per port	
Intel® Ethernet Converged Network Adapter X710-DA4	SFP+	PClE v3.0 (8.0 GT/s)	Quad		10Gb/s per port	
Intel_25GbE						
Intel® Ethernet Network Adapter XXV710-DA1 for OCP	SFP28	OCPClE 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	OCPClE v3.0 (8.0 GT/s)	Dual		25Gb/s per port	Support OCP 2.0 type1
Intel® Ethernet Network Adapter XXV710-DA2	SFP28	PClE v3.0 (8.0 GT/s)	Dual		25Gb/s per port	
Intel_40GbE						
Intel® Ethernet Server Adapter XL710-QDA2 for OCP	QSFP+	OCPClE v3.0 (8.0 GT/s)	Dual		40Gb/s per port	Support OCP 2.0
Intel® Ethernet Converged Network Adapter XL710-QDA2	QSFP+	PClE v3.0 (8.0 GT/s)	Dual		40Gb/s per port	
Mellanox ConnectX						
MCX512A-ACAT	SFP28	PClE Gen3 x8	Dual		25Gb/s per port	Mellanox ConnectX-5 EN
MCX4421A-ACQN	SFP28	OCPClE Gen3 x8	Dual		25Gb/s per port	Mellanox ConnectX-4 Lx EN / Support OCP 2.0
MCX4121A-ACAT	SFP28	PClE Gen3 x8	Dual		25Gb/s per port	Mellanox ConnectX-4 Lx EN
Solarflare Onload Server Adapters						
SFN7322F	SFP+	PClE 8.0GT/s (Gen3)	Dual		10Gb/s per port	
Qlogic LAN Adapters						
QLE3442-CU-CK	SFP+	PClE x8 Gen3 x8	Dual		10Gb/s per port	
QLE3442-RJ-CK	RJ-45	PClE x8 Gen3 x8	Dual		10Gb/s per port	
QL41212HLCU-SP	SFP28	PClE x8 Gen3 x8	Dual		25Gb/s per port	
QL41132HLCU-SP	SFP28	PClE x8 Gen3 x8	Dual		10Gb/s per port	
Broadcom (Emulex) Ethernet Networking Adapters						
OCe14101-NX	SFP+	PClE 3.0 x8	Single		10Gb/s per port	
OCe14102-NX	SFP+	PClE 3.0 x8	Dual		10Gb/s per port	
USB Device						
USB 3.0						
Product Name	Type	Vendor	Capacity	Note		
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			