

"R120-T32" Qualification Vender List Ver:2.0											
Memory											
Product Name	Memory Type	Module Supplier	Size	Chip Brand	Rank	Voltage	Data Transfer Rate	Error Correction	CAS Latency	Pins	Note
RDIMM											
75.CA3G0.G000B	DDR4	Apacer	8GB	Samsung	1R	1.2v	2133MHz	ECC Registered	15	288-pin	
75.DA3G0.G000B	DDR4	Apacer	16GB	Samsung	2R	1.2v	2133MHz	ECC Registered	15	288-pin	
CT4G4RFS8213.9FA2	DDR4	CRUCIAL	4GB	Micron	1R	1.2v	2133MHz	ECC Registered	15	288-pin	
CT8G4RFD8213.18FA1	DDR4	CRUCIAL	8GB	Micron	2R	1.2v	2133MHz	ECC Registered	15	288-pin	
CT8G4RFS424A.18FB1	DDR4	CRUCIAL	8GB	Micron	1R	1.2v	2400MHz	ECC Registered	17	288-pin	
CT8G4RFS824A.2G3B1	DDR4	Crucial	8GB	Micron	1R X8	1.2v	2400MHz	ECC Registered	17	288-pin	Just test this DIMM to cover
CT16G4RFD4213.36FA2	DDR4	CRUCIAL	16GB	Micron	2R	1.2v	2133MHz	ECC Registered	15	288-pin	
CT16G4RFS424A.18FB1	DDR4	CRUCIAL	16GB	Micron	1R	1.2v	2400MHz	ECC Registered	17	288-pin	
CT16G4RFD824A.18FA1	DDR4	CRUCIAL	16GB	Micron	2R	1.2v	2400MHz	ECC Registered	17	288-pin	
CT16G4RFD824A.18FB1	DDR4	CRUCIAL	16GB	Micron	2R	1.2v	2400MHz	ECC Registered	17	288-pin	
CT16G4RFD424A.36FB1	DDR4	CRUCIAL	16GB	Micron	2R	1.2v	2400MHz	ECC Registered	17	288-pin	
CT32G4RFD4213.36FA1	DDR4	CRUCIAL	32GB	Micron	2R	1.2v	2133MHz	ECC Registered	15	288-pin	
CT32G4RFD424A.36FA1	DDR4	CRUCIAL	32GB	Micron	2R	1.2v	2400MHz	ECC Registered	17	288-pin	
CT32G4RFD424A.36FB1	DDR4	CRUCIAL	32GB	Micron	2R	1.2v	2400MHz	ECC Registered	17	288-pin	
M4R0-8GSQEC SJ	DDR4	INNODISK	8GB	Samsung	1R	1.2v	2400MHz	ECC Registered	17	288-pin	
M4R0-AGSQGCRG	DDR4	INNODISK	16GB	Samsung	2R	1.2v	2133MHz	ECC Registered	15	288-pin	
M4R0-AGS3ECSJ	DDR4	INNODISK	16GB	Samsung	1R	1.2v	2400MHz	ECC Registered	17	288-pin	
M4R0-AGS1BCSJ	DDR4	INNODISK	16GB	Samsung	2R	1.2v	2400MHz	ECC Registered	17	288-pin	
M4R0-BGS3GCSJ	DDR4	INNODISK	32GB	Samsung	2R	1.2v	2400MHz	ECC Registered	17	288-pin	
KVR21R15S4/8	DDR4	Kingston	8GB	SK hynix	1R	1.2v	2133MHz	ECC Registered	15	288-pin	
KVR24R17S4/16MA	DDR4	Kingston	16GB	Micron	1R	1.2v	2400MHz	ECC Registered	17	288-pin	
MTA9ASF51272PZ-2G1A2HG	DDR4	Micron	4GB	Micron	1R	1.2v	2133MHz	ECC Registered	15	288-pin	
MTA9ASF1G72PZ-2G3B1MG	DDR4	Micron	8GB	Micron-Montag	1R X8	1.2v	2400MHz	ECC Registered	17	288-pin	Same as above
MTA18ASF1G72PDZ-2G1A1JG	DDR4	Micron	8GB	Micron	2R	1.2v	2133MHz	ECC Registered	15	288-pin	
MTA18ASF1G72PZ-2G3B1RK	DDR4	Micron	8GB	Micron	2R	1.2v	2400MHz	ECC Registered	17	288-pin	
MTA36ASF2G72PZ-2G1A2IG	DDR4	Micron	16GB	Micron	2R	1.2v	2133MHz	ECC Registered	15	288-pin	
MTA18ASF2G72PZ-2G3B1IG	DDR4	Micron	16GB	Micron	1R	1.2v	2400MHz	ECC Registered	17	288-pin	
MTA18ASF2G72PDZ-2G3A1IG	DDR4	Micron	16GB	Micron	2R	1.2v	2400MHz	ECC Registered	17	288-pin	
MTA18ASF2G72PDZ-2G3B1RG	DDR4	Micron	16GB	Micron	2R	1.2v	2400MHz	ECC Registered	17	288-pin	
MTA36ASF2G72PZ-2G3B1QK	DDR4	Micron	16GB	Micron	2R	1.2v	2400MHz	ECC Registered	17	288-pin	
MTA36ASF4G72PZ-2G1A1IG	DDR4	Micron	32GB	Micron	2R	1.2v	2133MHz	ECC Registered	15	288-pin	
MTA36ASF4G72PZ-2G3A1IG	DDR4	Micron	32GB	Micron	2R	1.2v	2400MHz	ECC Registered	17	288-pin	
MTA36ASF4G72PZ-2G3B1MG	DDR4	Micron	32GB	Micron	2R	1.2v	2400MHz	ECC Registered	17	288-pin	
HMA451R7MFR8N-TF	DDR4	SK Hynix	4GB	Samsung	1R	1.2v	2133MHz	ECC Registered	15	288-pin	
HMA42GR7MFR4N-TF TD	DDR4	SK Hynix	16GB	SK hynix	2R	1.2v	2133MHz	ECC Registered	15	288-pin	
HMA81GR7AFR8N-UH TD	DDR4	SK Hynix	8GB	SK hynix	1R	1.2v	2400MHz	ECC Registered	17	288-pin	
HMA84GR7MFR4N-UH TD AA 1551(CPC7G)	DDR4	SK Hynix	32GB	SK hynix	2R	1.2v	2400MHz	ECC Registered	17	288-pin	

M393A1G40EB1-CRC	DDR4	Samsung	8GB	Samsung	1R	1.2v	2400MHz	ECC Registered	17	288-pin	
M393A2G40DB0-CPB	DDR4	Samsung	16GB	Samsung	2R	1.2v	2133MHz	ECC Registered	15	288-pin	
M393A2K40BB0-CPB	DDR4	Samsung	16GB	Samsung	1R	1.2v	2133MHz	ECC Registered	15	288-pin	
M393A2K40BB1-CRC	DDR4	Samsung	16GB	Samsung	1R	1.2v	2400MHz	ECC Registered	17	288-pin	
M393A2K43BB1-CRC0Q	DDR4	Samsung	16GB	Samsung	2R	1.2v	2400MHz	ECC Registered	17	288-pin	
M393A4K40BB0-CPB	DDR4	Samsung	32GB	SKhynix	2R	1.2v	2133MHz	ECC Registered	15	288-pin	
M393A4K40BB1-CRC0Q	DDR4	Samsung	32GB	Samsung	2R	1.2v	2400MHz	ECC Registered	17	288-pin	
T4D6R10S62000	DDR4	TeamGroup	8GB	Samsung	1R	1.2v	2133MHz	ECC Registered	15	288-pin	
T4E1R10S62000	DDR4	TeamGroup	16GB	Samsung	2R	1.2v	2133MHz	ECC Registered	15	288-pin	
TS2GHR72V1Z	DDR4	Transcend	16GB	Samsung	2R	1.2v	2133MHz	ECC Registered	15	288-pin	
VP9MR2G7228JBJSB	DDR4	Viking	16GB	Samsung	2R	1.2v	2400MHz	ECC Registered	17	288-pin	
VP9MR4G7224JBJSB	DDR4	Viking	32GB	Samsung	2R	1.2v	2400MHz	ECC Registered	17	288-pin	
M393A1G40DB0-CPB	DDR4	SAMSUNG	8GB	Samsung	1R	1.2v	2133MHz	ECC Registered	15	288-pin	
TR416G24S417	DDR4	V-color	16GB		1Rx4	1.2v	2400MHz	ECC Registered		288-pin	
TR432G24D417	DDR4	V-color	32GB		2Rx4	1.2v	2400MHz	ECC Registered		288-pin	
M4R0-8GSSBCSJ	DDR4	Innodisk	8GB		2Rx8	1.2v	2400MHz	ECC Registered		288-pin	
CT32G4RFD424A.2G3B1	DDR4	Crucial	32GB	Micron	2R X4	1.2v	2400MHz	ECC Registered	17	288-pin	Just test this DIMM to cover
CT32G4RFD424A.36FB1	DDR4	Crucial	32GB	Micron	2R X4	1.2v	2400MHz	ECC Registered	17	288-pin	Same as above
MTA36ASF4G72PZ-2G3B1MG	DDR4	Micron	32GB	Micron	2R X4	1.2v	2400MHz	ECC Registered	17	288-pin	Same as above
ECC UDIMM											
CT4G4WFS8213.9FA1	DDR4	Crucial	4GB	Micron	1R	1.2v	2133MHz	ECC Unbuffer	15	288-pin	
CT8G4WFD8213.18FA1	DDR4	Crucial	8GB	Micron	2R	1.2v	2133MHz	ECC Unbuffer	15	288-pin	
CT8G4WFD824A.18FB1	DDR4	Crucial	8GB	Micron	2R	1.2v	2400MHz	ECC Unbuffer	17	288-pin	
MTA18ASF1G72AZ-2G3B1ZI	DDR4	Micron	8GB	Micron	2R	1.2v	2400MHz	ECC Unbuffer	17	288-pin	
KVR21E15S8/4HA	DDR4	Kingston	4GB	SK hynix	1R	1.2v	2133MHz	ECC Unbuffer	15	288-pin	
M4C0-8GSSMCRG	DDR4	INNODISK	8GB	Samsung	2R	1.2v	2133MHz	ECC Unbuffer	15	288-pin	
M4C0-4GSSLCRG	DDR4	INNODISK	4GB	Samsung	2R	1.2v	2133MHz	ECC Unbuffer	15	288-pin	
PED42133C154GVS	DDR4	Panram	4GB	SKhynix	1R	1.2v	2133MHz	ECC Unbuffer	15	288-pin	
PED42133C158GVS	DDR4	Panram	8GB	SKhynix	2R	1.2v	2133MHz	ECC Unbuffer	15	288-pin	
M391A1G43DB0-CPB	DDR4	Samsung	8GB	Samsung	2R	1.2v	2133MHz	ECC Unbuffer	15	288-pin	
M391A2K43BB1-CPB	DDR4	Samsung	16GB	Samsung	2R	1.2v	2133MHz	ECC Unbuffer	15	288Pin	
T4C8C10S61164	DDR4	TeamGroup	4GB	Samsung	1R	1.2v	2133MHz	ECC Unbuffer	15	288-pin	
T4D4C10S61163	DDR4	TeamGroup	8GB	Samsung	1R	1.2v	2133MHz	ECC Unbuffer	15	288-pin	
TS512MLH72V1H	DDR4	Transcend	4GB	Samsung	1R	1.2v	2133MHz	ECC Unbuffer	15	288-pin	
TS1GLH72V1H	DDR4	Transcend	8GB	Samsung	2R	1.2v	2133MHz	ECC Unbuffer	15	288-pin	
HMA81GU7AFR8N-UHT0	DDR4	SKhynix	8GB	SKhynix	1Rx8	1.2v	2400MHz	ECC Unbuffer	17	288-pin	
HMA82GU7AFR8N-UHT0	DDR4	SKhynix	16GB	SKhynix	2Rx8	1.2v	2400MHz	ECC Unbuffer	17	288-pin	
KVR24E17S8/8MA	DDR4	Kingston	8GB	Micron	1Rx8	1.2v	2400MHz	ECC Unbuffer	17	288-pin	
KVR24E17D8/16MA	DDR4	Kingston	16GB	Micron	2Rx8	1.2v	2400MHz	ECC Unbuffer	17	288-pin	
SSD											

Product Name	Type	Vendor	Form Factor	Interface	Capacity	Interface Speed	FW	Note			
SDLF1CRR-019T-1HA1	SSD	SanDisk	2.5"	SATA	1.92TB	6Gb/s	ZR04				
ASR1010SS-480GM	SSD	ADATA	2.5"	SATA	480GB	6Gb/s	6.1.0				
ASX1000LS3-100GM	SSD	ADATA	2.5"	SATA	100GB	6Gb/s	5.2.0				
ASX1000LS7-240GM	SSD	ADATA	2.5"	SATA	240GB	6Gb/s	5.8.2				
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											
ST9250610NS	SATA	Seagate	2.5"	512	250GB	6Gb/s	Constellation 2	64MB	7200	N/A	
ST91000640NS (Remark: Must disable SSC function first for use, please connect HDD vender)	SATA	Seagate	2.5"	512	1TB	6Gb/s	Constellation 2	64MB	7200	N/A	
ST1000NX0313 (Remark: Must disable SSC function first for use, please connect HDD vender)	SATA	Seagate	2.5"	512e	1TB	6Gb/s	Enterprise Capacity V.3	128MB	7200	N/A	
ST1000NX0353	SATA	Seagate	2.5"	512e	1TB	6Gb/s	Enterprise Capacity V.3	128MB	7200	N/A	
ST2000NX0253 (Remark: Must disable SSC function first for use, please connect HDD vender)	SATA	Seagate	2.5"	512e	2TB	6Gb/s	Enterprise Capacity V.3	128MB	7200	N/A	
ST2000NX0403	SATA	Seagate	2.5"	512n	2TB	6Gb/s	Enterprise Capacity V.3	128MB	7200	N/A	
ST1000NX0423	SATA	Seagate	2.5"	512n	1TB	6Gb/s	Enterprise Capacity V.3	128MB	7200	N/A	
Seagate Enterprise Capacity 3.5 HDD											
ST4000NM0033 (Remark: Must disable SSC function first for use, please connect HDD vender)	SATA	Seagate	3.5"	512N	4TB	6Gb/s	ES.3	128MB	7200	N/A	
ST8000NM0055 (Remark: Must disable SSC function first for use, please connect HDD vender)	SATA	Seagate	3.5"	512e	8TB	6Bb/s	ES.3	256MB	7200	N/A	
ST8000NM0016	SATA	Seagate	3.5"	512e	8TB	12Gb/s	Performance	256MB	7200	N/A	SNC0
ST10000NM0146	SATA	Seagate	3.5"	4Kn	10TB	6Gb/s	Enterprise Capacity V.6	256MB	7200	N/A	
ST10000NM0166	SATA	Seagate	3.5"	4Kn	10TB	6Gb/s	Enterprise Capacity V.6	256MB	7200	N/A	
ST10000NM0186	SATA	Seagate	3.5"	4Kn	10TB	6Gb/s	Enterprise Capacity V.6	256MB	7200	N/A	
ST8000NM0045	SATA	Seagate	3.5"	4Kn	8TB	6Gb/s	Enterprise Capacity V.5	256MB	7200	N/A	
ST8000NM0115	SATA	Seagate	3.5"	4Kn	8TB	6Gb/s	Enterprise Capacity V.5	256MB	7200	N/A	
ST8000NM0145	SATA	Seagate	3.5"	4Kn	8TB	6Gb/s	Enterprise Capacity V.5	256MB	7200	N/A	
ST6000NM0125	SATA	Seagate	3.5"	4Kn	6TB	6Gb/s	Enterprise Capacity V.5	256MB	7200	N/A	
ST6000NM0185	SATA	Seagate	3.5"	4Kn	6TB	6Gb/s	Enterprise Capacity V.5	256MB	7200	N/A	
ST6000NM0265	SATA	Seagate	3.5"	4Kn	6TB	6Gb/s	Enterprise Capacity V.5	256MB	7200	N/A	
WD HDD											
Product Name	Type	Vendor	Form Factor	Format	Capacity	Interface Speed	Series	Cache	RPM	Encryption	
Datacenter											
WD600PF4PZ-49P0AM0	SATA	WD	3.5"	512e	6TB	6Gb/s	WD Ae	64MB	5760	N/A	
WD4000FYYZ-01UL1B2	SATA	WD	3.5"	512N	4TB	6Gb/s	WD Re	64MB	7200	N/A	
WD4000F9YZ-09N20L0	SATA	WD	3.5"	512e	4TB	6Gb/s	WD Se	64MB	7200	N/A	
WD6001FSYZ-01SS7B0	SATA	WD	3.5"	4KN	6TB	6Gb/s	WD Re	128MB	7200	N/A	

WD5003ABYZ-011FA0	SATA	WD	3.5"	512N	500G	6Gb/s	WD Re	64MB	7200	N/A	
Workstation											
WD2500BHTZ-04JCPV0	SATA	WD	2.5"	512e	250GB	6Gb/s	WD VelociRaptor	64MB	10K	N/A	
WD2500HHTZ-04N21V0	SATA	WD	3.5"	512e	250GB	6Gb/s	WD VelociRaptor	64MB	10K	N/A	
HGST HDD											
Product Name	Type	Vendor	Form Factor	Format	Capacity	Interface Speed	Series	Cache	RPM	Encryption	
Enterprise Hard Drives											
HUA722010CLA330	SATA	HGST	3.5"	512	1TB	3Gb/s	Ultrastar A7K2000	32MB	7200	N/A	
HUS724040ALA640	SATA	HGST	3.5"	512N	4TB	6Gb/s	Ultrastar 7K4000	64MB	7200	N/A	
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	
HUS726060ALE614	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	
Storage Products											
MG03ACA300	SATA	Toshiba	3.5"	512e	3TB	6Gb/s	Enterprise Capacity HDD	64MB	7200	N/A	
MG04ACA500E	SATA	Toshiba	3.5"	512e	5TB	6Gb/s	Enterprise Capacity HDD	128 MB	7200	N/A	
MG04ACA600E	SATA	Toshiba	3.5"	512e	6TB	6Gb/s	Enterprise Capacity HDD	128MB	7200	N/A	
MG05ACA800E	SATA	Toshiba	3.5"	512e	8TB	6Gb/s	Enterprise Capacity	128MB	7200	N/A	GX1A
MG05ACA800A	SATA	Toshiba	3.5"	4Kn	8TB	6Gb/s	Enterprise Capacity	128MB	7200	N/A	GX1A
MG04ACA100N	SATA	Toshiba	3.5"	512e	1TB	6Gb/s	Capacity	128MB	7200	N/A	A0
Transceiver / AOC / DAC											
Product Name / Product Number	Speed	Form Factor	Length	Connector type	nominal optical wavelength(nm)		Note				
Transceiver											
DELL FTLX8571D3BCL	10Gb	SFP+	N/A	LC	850						
Finisar FTLX8571D3BCL	10Gb	SFP+	N/A	LC	850						
Formerica TAS-A1NH1-P11	10Gb	SFP+	N/A	LC	850						
Formerica TAS-A1NH1-PAH	10Gb	SFP+	N/A	LC	850						
Avago AFBR-709DMZ	10Gb/1Gb	SFP+	N/A	LC	850						
Avago AFBR-703SDZ	10Gb	SFP+	N/A	LC	850						
UMEC PDGSFPPTLNS01	10Gb	SFP+	N/A	LC	850						
DELL AFBR-79E4Z-D-FT1	40Gb	QSFP+	N/A	LC	850						
Formerica TQS-Q1LH9-2CA	40Gb	QSFP+	N/A	LC	850						
PCL A0000082	40Gb	QSFP+	N/A	LC	850						
JDSU JQP-04SRAB1	40Gb	QSFP+	N/A	LC	850						
WAVESPLITTER WST-QSFP+SR4-C	40Gb	QSFP+	N/A	LC	850						
WAVESPLITTER WST-QSFP+eSR4-C	40Gb	QSFP+	N/A	LC	850						
Avago AFBR-79EIDZ	40/10Gb	QSFP+	N/A	LC	850						
Finisar FTLX8574D3BCV	10Gb	SFP+	N/A	LC	850						
Finisar FTLX8574D3BCL	10Gb	SFP+	N/A	LC	850						

Active Optical Cables (AOC)							
Avogo AFBR-7CER03Z	10Gb	SFP+	3M	N/A	850		
Avogo AFBR-7CER07Z	10Gb	SFP+	7M	N/A	850		
Formerica TAS-A1NH8-XAE03	10Gb	SFP+	3M	N/A	850		
UMEC PDGQSQAC020MX	40Gb	QSFP+	20M	N/A	N/A		
WAVESPLITTER WST-QSFP+AOC-C16 40G Base	40Gb	QSFP+	16M	N/A	850		
Direct Attach Copper (DAC)							
AMPHENOL 586710005 rev:G	10Gb	SFP+	10M	N/A	850		
FCI 10110818-3010LF	10Gb	SFP+	1M	N/A	850		
FCI 10110818-3030LF	10Gb	SFP+	3M	N/A	850		
MOLEX 747524501	10Gb	SFP+	5M	N/A	850		
MOLEX 747524701	10Gb	SFP+	7M	N/A	850		
MOLEX 747529004	10Gb	SFP+	10M	N/A	850		
JPC P3001U201000-9	40Gb	QSFP+	1M	N/A	850		
JPC P3001U203000-6	40Gb	QSFP+	3M	N/A	N/A		
JPC P3001U407000-6	40Gb	QSFP+	7M	N/A	N/A		
PROMATE MC2207130-001	40Gb	QSFP+	1M	N/A	N/A		
Mellanox MC2207130-001 passive copper cable	56G	QSFP	1M	N/A	850		for Mellanox IB card
LAN Cards							
Product Name	Connector	Power consumption	FW	# of Ports	System Interface Type	Data rate	Note
GIGABYTE LAN Cards							
<u>GC-MNXE21</u>	SFP+	-		Dual	PCIe x8 Gen3 x8	10Gb/s per port	
Intel_GbE							
Intel® Ethernet Server Adapter I350-T4	RJ-45	5 W		Quad	PCIe v2.1 (5.0GT/s)	1Gb/s per port	
Intel_10GbE							
Intel® Ethernet Converged Network Adapter X540-T1	RJ-45	-		Single	PCIe 2.1 (5.0 GT/s)	10Gb/s per port	
Intel® Ethernet Converged Network Adapter X520-DA2	SFP+	8.6 W		Dual	PCIe v2.0 (5.0GT/s)	10Gb/s per port	
Solarflare Onload Server Adapters							
SFN6122E	SFP+	5.9W		Dual	5.0GT/s (Gen2)	-	
Qlogic Fibre Channel Adapters							
<u>QLE2562</u>	-	6.2 W		Dual	PCIe Gen2	8/4/2Gbps auto-negotiation	
Emulex Ethernet Networking Adapters							
<u>OCe14101-NX</u>	SFP+	-		Single	PCIe 3.0 x8	10Gb/s per port	
<u>OCe14102-NX</u>	SFP+	-		Dual	PCIe 3.0 x8	10Gb/s per port	