

HMA82GR7CJR8N-XN TG	DDR4	SKhynix	16GB	SKhynix	2Rx8	1.2v	3200MHz	ECC Registered	22	288-pin	
HMA82GR7DJR8N-XN T8	DDR4	SKhynix	16GB	SKhynix-Rambus	2Rx8	1.2v	3200MHz	ECC Registered	22	288-pin	
HMA84GR7CJR4N-XN T8	DDR4	SKhynix	32GB	SKhynix	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin	
HMA84GR7CJR4N-XN T4	DDR4	SKhynix	32GB	SKhynix	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin	
HMA84GR7CJR4N-XN TG	DDR4	SKhynix	32GB	SKhynix	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin	
HMA84GR7DJR4N-XN T4	DDR4	SKhynix	32GB	SKhynix-Montage	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin	
HMA84GR7AJR4N-XN TG	DDR4	SKhynix	64GB	SKhynix-IDT	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin	
CT8G4RF5832A-9FE1	DDR4	Crucial	8GB	Micron	1Rx8	1.2v	3200MHz	ECC Registered	22	288-pin	
CT8G4RF5832A-3G2E1.001	DDR4	Crucial	8GB	Micron	1Rx8	1.2v	3200MHz	ECC Registered	22	288-pin	
MTA9ASF1G72PZ-3G2E1V1G	DDR4	Micron	8GB	Micron	1Rx8	1.2v	3200MHz	ECC Registered	22	288-pin	
CT16G4RFD832A-18FE1	DDR4	Crucial	16GB	Micron-IDT	2Rx8	1.2v	3200MHz	ECC Registered	22	288-pin	
MTA18ASF2G72PDZ-3G2E1V1G	DDR4	Micron	16GB	Micron-IDT	2Rx8	1.2v	3200MHz	ECC Registered	22	288-pin	
CT16G4RFD832A-3G2E1.001	DDR4	Crucial	16GB	Micron	2Rx8	1.2v	3200MHz	ECC Registered	22	288-pin	
MTA18ASF2G72PDZ-3G2E1UK	DDR4	Micron	16GB	Rambus	2Rx8	1.2v	3200MHz	ECC Registered	22	288-pin	
MTA9ASF2G72PZ-3G2E1T1	DDR4	Micron	16GB	Micron	1Rx8	1.2v	3200MHz	ECC Registered	22	288-pin	
MTA18ASF2G72PDZ-3G2E2T1	DDR4	Micron	16GB	Micron	1Rx4	1.2v	3200MHz	ECC Registered	22	288-pin	
MTA18ASF2G72PDZ-3G2E2T1	DDR4	Micron	16GB	Micron	1Rx4	1.2v	3200MHz	ECC Registered	22	288-pin	
CT32G4RFD432A-36FE2 (3200MHz only support on 1DPC)	DDR4	Crucial	32GB	Micron-Montage	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin	
CT32G4RFD432A-3G2E2.001 (3200MHz only support on 1DPC)	DDR4	Crucial	32GB	Micron-Montage	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin	
MTA36ASF4G72PZ-3G2E2TG (3200MHz only support on 1DPC)	DDR4	Micron	32GB	Micron-Montage	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin	
CT32G4RFD432A-3G2E7.001	DDR4	Crucial	32GB	Micron-Montage or Micron-IDT	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin	
CT32G4RFD432A-36FE7	DDR4	Crucial	32GB	Micron-Montage or Micron-IDT	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin	
MTA36ASF4G72PZ-3G2E7V1	DDR4	Micron	32GB	Micron-IDT	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin	
MTA36ASF4G72PZ-3G2E7T1	DDR4	Micron	32GB	Micron-Montage	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin	
MTA18ASF4G72PDZ-3G2E2T1	DDR4	Micron	32GB	Micron	2Rx8	1.2v	3200MHz	ECC Registered	22	288-pin	
MTA36ASF4G72PZ-3G2E2T1	DDR4	Micron	32GB	Micron	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin	
MTA18ASF4G72PDZ-3G2E1UI	DDR4	Micron	32GB	Micron	2Rx8	1.2v	3200MHz	ECC Registered	22	288-pin	
CT64G4RFD432A-3G2E2.001	DDR4	Crucial	64GB	Micron	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin	
MTA36ASF8G72PZ-3G2E2T1	DDR4	Micron	64GB	Micron	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin	
MTA36ASF8G72PZ-3G2E1V1	DDR4	Micron	64GB	Micron-IDT	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin	
M393A2K40DB2-CWBEQ (3200MHz only support on 1DPC)	DDR4	Samsung	16GB	Samsung-IDT	1Rx4	1.2v	3200MHz	ECC Registered	22	288-pin	
M393A2K43DB2-CWBEQ (3200MHz only support on 1DPC)	DDR4	Samsung	16GB	Samsung-IDT	2Rx8	1.2v	3200MHz	ECC Registered	22	288-pin	
M393A2K43DB3-CWBEQ	DDR4	Samsung	16GB	Samsung-IDT	2Rx8	1.2v	3200MHz	ECC Registered	22	288-pin	
M393A2K40DB3-CWEGQ	DDR4	Samsung	16GB	Samsung-Rambus	1Rx4	1.2v	3200MHz	ECC Registered	22	288-pin	
M393A2K40DB3-CWBEQ	DDR4	Samsung	16GB	Samsung-IDT	1Rx4	1.2v	3200MHz	ECC Registered	22	288-pin	
M393A2K40DB3-CWECQ	DDR4	Samsung	16GB	Samsung-	1Rx4	1.2v	3200MHz	ECC Registered	22	288-pin	
M393A4K40DB2-CWBEQ (3200MHz only support on 1DPC)	DDR4	Samsung	32GB	Samsung-IDT	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin	
M393A4K40DB3-CWECQ	DDR4	Samsung	32GB	Samsung-Montage	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin	
M393A4K40DB3-CWBEQ	DDR4	Samsung	32GB	Samsung-IDT	1Rx4	1.2v	3200MHz	ECC Registered	22	288-pin	
M393A4K40DB3-CWEGQ	DDR4	Samsung	32GB	Samsung-IDT	1Rx4	1.2v	3200MHz	ECC Registered	22	288-pin	
M393A4K40DB3-CWECQ	DDR4	Samsung	32GB	Samsung-IDT	1Rx4	1.2v	3200MHz	ECC Registered	22	288-pin	
M393A8G40AB2-CWBEQ	DDR4	Samsung	64GB	Samsung-IDT	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin	
M393A8G40AB2-CWECQ	DDR4	Samsung	64GB	Samsung-Rambus	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin	
M393A8G40AB2-CWBEQ	DDR4	Samsung	64GB	Samsung-IDT	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin	
M393AAG40M32-CAEBQ	DDR4	Samsung	128GB	Samsung	2S2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin	
TR416G32S422-XNC	DDR4	V-color	16GB	SKhynix-Rambus	1Rx4	1.2v	3200MHz	ECC Registered	22	288-pin	
KSM32RD8I16MEI	DDR4	Kingston	16GB	Micron-IDT	2Rx8	1.2v	3200MHz	ECC Registered	22	288-pin	
KSM32RD4I32MEI	DDR4	Kingston	32GB	Micron-IDT	1Rx4	1.2v	3200MHz	ECC Registered	22	288-pin	

LRDIMM

HMAA8GL7AMR4N-UHTE	DDR4	SKhynix	64GB	SKhynix	4DRx4	1.2v	2400MHz	ECC Registered	17	288-pin	
M386A8K40BM1-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	
M386A8K40DM2-CWELQ	DDR4	Samsung	64GB	Samsung-IDT	4DRx4	1.2v	3200MHz	ECC Registered	22	288-pin	

Storage

Product Name	Type	Vendor	Form Factor	Format	Capacity	Interface Speed	Series	Cache	RPM	Encryption	Note
ST8000NM0034	SAS	Seagate	3.5"	512e	6TB	12Gb/s	Enterprise Capacity V.4	128MB	7200	N/A	Test by CRA3338/CRA4448/CRA4548
ST8000NM0055	SATA	Seagate	3.5"	512e	8TB	6Gb/s	Enterprise Capacity V.5	256MB	7200	N/A	Test by CSA4648
MG04ACA600E	SATA	Toshiba	3.5"	512e	6TB	6Gb/s	Capacity	128MB	7200	N/A	Test by CRA3338/CRA4448/CRA4548
XF1212-1A0512	SSD	Seagate	2.5"	SATA	480GB	6Gb/s	RL04				
SDLF1CR-019T-1HA1	SSD	Sandisk	2.5"	SATA	1.92TB	6Gb/s	ZR04				
XA960LE10063	SSD	Seagate	2.5"	SATA	960GB	6Gb/s					

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								
CRA4548	LSI SAS 3108	PCIe-x8 Gen4	4	1 x Internal Mini-SAS HD SFF8643	4	1 x external Mini-SAS HD SFF8643	12Gb/s ports	
CRA4448	LSI SAS 3108	PCIe-x8 Gen3 x8 bus	8	2 x Internal Mini-SAS HD SFF8643	-	-	12Gb/s ports	

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	
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	

Mellanox ConnectX®-3 VPI Adapter Cards

MCX354A-FCBT	QSFP	PCIe 3.0	Dual	FDR and 40/56GbE		
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Solarflare Onload Server Adapters

SFNZ322E	SFP+	8.0GT/s (Gen3)	Dual	10Gb/s per port		
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Broadcom (Emulex) Ethernet Networking Adapters

OCe14102-NX	SFP+	PCIe 3.0 x8	Dual	10Gb/s per port		
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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+SR-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	

Product Name	Type	Vendor	Form Factor	Interface	Capacity	Interface Speed	Note			
M.2										
SSDPEKKA010T801 P4101 Series 1TB	M.2	Intel	2280	PCIe(NVMe)	1TB					
SSDPEKKA256G801 P4101 Series 256GB	M.2	Intel	2280	PCIe(NVMe)	256GB					
SSDPEKKA256G701 P3100 Series 256GB	M.2	Intel	2280	PCIe(NVMe)	256GB					
SSDPEKKA010T701 P3100 Series 1TB	M.2	Intel	2280	PCIe(NVMe)	1TB					
MZVPV128HDGM	M.2	Samsung	2280	PCIe(NVMe)	128GB					
MZVPV512HDGL	M.2	Samsung	2280	PCIe(NVMe)	512GB					
IM2P33F8-256GD	M.2	ADATA	2280	PCIe(NVMe)	256GB	-				
IM2P33F8-512GD	M.2	ADATA	2280	PCIe(NVMe)	512GB	-				