

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	SK Hynix	16GB	SK Hynix	2R X8	1.2v	2400MHz	ECC Registered	17	288-pin	
HMA82GR7AFR8N-UHT2	DDR4	SK Hynix	16GB	SK Hynix	2R X8	1.2v	2400MHz	ECC Registered	17	288-pin	
HMA84GR7AFR4N-UHTD	DDR4	SK Hynix	32GB	SK Hynix	2R X4	1.2v	2400MHz	ECC Registered	17	288-pin	
HMA84GR7AFR4N-UHT2	DDR4	SK Hynix	32GB	SK Hynix	2R X4	1.2v	2400MHz	ECC Registered	17	288-pin	
CT32G4RFD424A.36FB1	DDR4	Crucial	32GB	Micron	2R X4	1.2v	2400MHz	ECC Registered	17	288-pin	Just test this DIMM to cover
MTA36ASF4G72PZ-2G3B1MG	DDR4	Micron	32GB	Micron	2R X4	1.2v	2400MHz	ECC Registered	17	288-pin	Same as above
CT16G4RFD424A.36FB1	DDR4	Crucial	16GB	Micron	2R X4	1.2v	2400MHz	ECC Registered	17	288-pin	Just test this DIMM to cover
MTA36ASF2G72PZ-2G3B1QK	DDR4	Micron	16GB	Micron	2R X4	1.2v	2400MHz	ECC Registered	17	288-pin	Same as above
CT16G4RFS424A.18FB1	DDR4	Crucial	16GB	Micron	1R X4	1.2v	2400MHz	ECC Registered	17	288-pin	Just test this DIMM to cover
MTA18ASF2G72PZ-2G3B1IG	DDR4	Micron	16GB	Micron	1R X4	1.2v	2400MHz	ECC Registered	17	288-pin	Same as above
M4R0-BGS3GCSJ	DDR4	INNODISK	32GB	Samsung	2R X4	1.2v	2400MHz	ECC Registered	17	288-pin	Just test this DIMM to cover
M393A4K40BB1-CRC0Q	DDR4	Samsung	32GB	Samsung	2R X4	1.2v	2400MHz	ECC Registered	17	288-pin	Same as above
M393A4K40BB2-CTD	DDR4	Samsung	32GB	Samsung	2Rx4	1.2v	2666MHz	ECC Registered	19	288-pin	For Intel Purley support
HMA84GR7AFR4N-VKT3	DDR4	SKhynix	32GB	Skhynix-Montag	2Rx4	1.2v	2666MHz	ECC Registered	19	288-pin	For Intel Purley support
HMA84GR7AFR4N-VKTF	DDR4	SKhynix	32GB	Skhynix-IDT	2Rx4	1.2v	2666MHz	ECC Registered	19	288-pin	For Intel Purley support
ECC UDIMM											
M4C0-8GSSMCRG	DDR4	INNODISK	8GB	Samsung		1.2v	2133MHz	ECC Unbuffer	15	288-pin	
TS1GLH72V1H	DDR4	Transcend	8GB	Samsung	2Rx8	1.2v	2133MHz	ECC Unbuffer	15	288-pin	
M391A2K43BB1-CPB	DDR4	SAMSUNG	16GB	Samsung	2Rx8	1.2v	2133MHz	ECC Unbuffer	15	288-pin	
CT8G4WFD824A.18FB1	DDR4	Crucial	8GB	Micron	2Rx8	1.2v	2400MHz	ECC Unbuffer	17	288-pin	
KVR24E17D8/16MA	DDR4	Kingston	16GB	Micron	2Rx8	1.2v	2400MHz	ECC Unbuffer	17	288-pin	
AD4U2400316G17-B	DDR4	ADATA	16GB			1.2v	2400MHz	ECC Unbuffer	17	288-pin	
HMA82GU7AFR8N-UH	DDR4	SKhynix	16GB	SKhynix	2Rx8	1.2v	2400MHz	ECC Unbuffer	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	Note
Seagate Enterprise Capacity 3.5 HDD											
ST8000NM0055	SATA	Seagate	3.5"	512e	8TB	6Gb/s	Enterprise Capacity V.5	256MB	7200	N/A	
ST1000NM0016	SATA	Seagate	3.5"	512e	10TB	6Gb/s	Enterprise Capacity V.6	256MB	7200	N/A	
ST8000NM0016	SATA	Seagate	3.5"	512e	8TB	6Gb/s	Enterprise Capacity V.6	256MB	7200	N/A	
ST12000NM0007	SATA	Seagate	3.5"	512e	12TB	6Gb/s	Enterprise Capacity V.7	256MB	7200	N/A	
WD HDD											
Product Name	Type	Vendor	Form Factor	Format	Capacity	Interface Speed	Series	Cache	RPM	Encryption	Note
Datacenter											
WD4000FYYZ-01UL1B2	SATA	WD	3.5"	512n	4TB	6Gb/s	WD Re	64MB	7200	N/A	
HGST HDD (SAS HDD may need RAID Card support)											
Product Name	Type	Vendor	Form Factor	Format	Capacity	Interface Speed	Series	Cache	RPM	Encryption	Note
Enterprise Hard Drives											
HUS726060ALE610	SATA	HGST	3.5"	512e	6TB	6Gb/s	Ultrastar 7K6000	128MB	7200	N/A	
Toshiba HDD (SAS HDD may need RAID Card support)											
Product Name	Type	Vendor	Form Factor	Format	Capacity	Interface Speed	Series	Cache	RPM	Encryption	Note
Enterprise Hard Drives											
MG05ACA800A	SATA	Toshiba	3.5"	4Kn	8TB	6Gb/s	Capacity	128MB	7200	N/A	

MG05ACA800E	SATA	Toshiba	3.5"	512e	8TB	6Gb/s	Capacity	128MB	7200	N/A	
<b>SATA/SAS SSD</b>											
Product Name	Type	Vendor	Form Factor	Interface	Capacity	Interface Speed	FW	Note			
SATA/SAS SSD											
<a href="#">SDLF1CRR-019T-1HA1</a>	SSD	SanDisk	2.5"	SATA	1.92TB	6Gb/s	ZR04				
<b>Graphics Card</b>											
Product Name	Processor Cores	Memory Bandwidth (GB/sec)	OpenGL		Microsoft DirectX	Graphics Card Power (W)	NVIDIA SLI / AMD CrossFire Ready	Note			
Nvidia GeForce ( <a href="http://www.geforce.com/hardware">http://www.geforce.com/hardware</a> )											
<a href="#">GV-N1080G1 GAMING-8GD</a>		256 GBps	4.5		12	500 W	Yes (2-way)				
<a href="#">GeForce GTX 1070 founders edition (Pascal)</a>	1920	256 GBps	4.5		12	150 W	Yes (2-way)				
<a href="#">GeForce® GTX 1060 WINDFORCE OC 3G</a>		192 GBps	4.5		12	400 W					
<b>RAID Cards</b>											
Model	RAID-on-Chip Controller	Host Bus Type	Internal Ports	Internal Connectors	External Ports	External Connectors	Data Transfer Rates	Note			
GIGABYTE Storage Cards											
<a href="#">GC-MSEE4</a>	Marvell 9230	PCIe- x4 Gen2 x4 bus	4	SATA III	-	-	6Gb/s ports				
<a href="#">GC-MSLZ2</a>	LSI SAS 2008	PCIe- x8 Gen2 x8 bus	8	2 x Mini-SAS for 8x SAS	-	-	6Gb/s ports				
<a href="#">CRA3338</a>	LSI SAS 3208	PCIe- x8 Gen3 x8 bus	8	2 x Mini-SAS HD for 8x SAS	-	-	12Gb/s ports				
<a href="#">CSA3548</a>	LSI SAS 3008	PCIe- x8 Gen3 x8 bus	-	-	8	2 x external Mini-SAS HD SFF8644	12Gb/s ports				
PMC RAID Cards (Adaptec)											
<a href="#">Adaptec ASR-8885Q</a>	-	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				
<b>LAN Cards</b>											
Product Name	Connector	System Interface Type	# of Ports	System Interface Type	Data rate	Note					
Intel LAN Cards											
<a href="#">EXPI9301CTBLK</a>	RJ-45	PCIe x1 Gen2	Single		1Gb/s per port	Intel WG82574L					
Realtek LAN Cards											
<a href="#">PETL022A</a>	RJ-45	PCIe x1 Gen2	Single		1Gb/s per port	Realtek RTL8111E					
GIGABYTE LAN Cards											
<a href="#">CLN4222</a>	RJ-45	PCIe x8 Gen3 x4	Dual		10Gb/s per port	INTEL X550-AT2					
<a href="#">GC-MNXE21</a>	SFP+	PCIe x8 Gen3 x8	Dual		10Gb/s per port	Mellanox ConnectX-3					
<a href="#">GC-MLBZ1</a>	SFP+	PCIe x8 Gen2 x8	Dual		10Gb/s per port	Broadcom BCM57810S					
Qlogic Fibre Channel Adapters											
<a href="#">QLE3442-RJ-CK</a>	RJ-45	PCIe x8 Gen3 x8	Dual		10Gb/s per port						
<b>Transceiver / AOC / DAC</b>											
Product Name / Product Number	Speed	Form Factor	Length	Connector type	nominal optical wavelength (nm)	LAN1 / LAN2					
Transceiver											
<a href="#">Avago AFBR-709DMZ</a>	10Gb/1Gb	SFP+	N/A	LR	850						
<a href="#">UMEC PDGSFTRSL00</a>	10Gb/1Gb	SFP+	N/A	LR	850						
<a href="#">WAVESPLITTER WST-SFP+SRc-C</a>	10Gb/1Gb	SFP+	N/A	SR	850						
<a href="#">Finisar FTLX8574D3BCL</a>	10Gb	SFP+	N/A	SR	850						
<a href="#">Finisar FTLX8574D3BCV</a>	10Gb/1Gb	SFP+	N/A	SR	850						

Active Optical Cables (AOC)							
Avogo AFBR-7CER03Z	10Gb	SFP+	3M	N/A	850		
Avogo AFBR-7CER07Z	10Gb	SFP+	7M	N/A	850		
Direct Attach Copper (DAC)							
Amphenol 586710004	10Gb	SFP+	7M	N/A	850		
MOLEX 747524501	10Gb	SFP+	5M	N/A	850		
WAVESPLITTER WST-QP4S+DACP0-2	40 to 10Gb	SFP+	2M	N/A	850		
PSU							
Product Name	Vendor	Input Voltage	Wattage	Application	Efficiency	FW	Note
EMG600AWT, 80PLUS GOLD	Enermax	100/240v	600W	Desktop	N/A		
EMG800EWT, 80PLUS GOLD	Enermax	100/240v	800W	Desktop	N/A		
D525AF-01	DELL	100/240v	525W	Desktop	N/A		
ST-1000E-AZ	Seventeam	100/240v	1000W	Desktop	N/A		
FSP250-60HSC	FSP	220v	250W	Desktop	N/A		
FSP250-60HEN	FSP	220v	250W	Desktop	N/A		
GPS-300AB-100 AH	Delta	220v	300W	Desktop	N/A		
SSP-650RT Active PFC F3	Seasonic	100/240v	650W	Desktop	N/A		
FSP450-50ERN	FSP	100/240v	450W	Desktop	N/A		
ST-500PFL	Seventeam	100/240v	500W	Desktop	N/A		
ST-450PWL	Seventeam	100/240v	450W	Desktop	N/A		
RX-450-ACAA-D3	CoolMaster	100/240v	450W	Desktop	N/A		
FSP400-60GHN(85)	FSP	100/240v	400W	Desktop	N/A		
SF-500P14HE	SuperFlower	100/240v	500W	Desktop	N/A		
NE450C	ANTEC	100/240v	450W	Desktop	N/A		
GPS-650FB A REV:00F	CORSAIR	100/240v	650W	Desktop	N/A		
Power supply	DELTA	100/240v	650W	Desktop	N/A		
DPS-400AB-12 A REV:01F	DELTA	100/240v	400W	Desktop	N/A		
FSP500-50AAGA	FSP	100/240v	500W	Desktop	N/A		