



Product Name	Type	Vendor	Form Factor	Interface	Capacity	Interface Speed	Note		
SRE100-480G00210000	SSD	Phison	2.5"	SATA	480GB	6Gb/s			
SRE100-960G00210000	SSD	Phison	2.5"	SATA	960GB	6Gb/s			
MZ-7L1H1T9NE 983 DCT Series	SSD	Samsung	2.5"	SATA	1.92TB	6Gb/s			
XA480LE10063	SSD	Seagate	2.5"	SATA	480GB	6Gb/s			
XA960LE10063	SSD	Seagate	2.5"	SATA	960GB	6Gb/s			
<b>M.2</b>									
Product Name	Type	Vendor	Form Factor	Interface	Capacity	Interface Speed	Note		
<b>M.2</b>									
SSDPEKKA010701 P3100 Series 1TB	M.2	Intel	2280	PCIe(NVMe)	1TB	PCIe Gen3 x4			
SSDPEKKA256G801 P4101 Series 256GB	M.2	Intel	2280	PCIe(NVMe)	256GB	PCIe Gen3 x4			
SSDPEKKA256G701 P3100 Series 256GB	M.2	Intel	2280	PCIe(NVMe)	256GB	PCIe Gen3 x4			
MZPV512HDGL	M.2	Samsung	2280	PCIe(NVMe)	512GB	PCIe Gen3 x4			
CA6-8D1024 CA6 Series	M.2	SSSTC	2280	PCIe(NVMe)	1TB	PCIe Gen4 x4			
<b>U.2</b>									
Product Name	Type	Vendor	Form Factor	Interface	Capacity	Interface Speed	Note		
<b>U.2</b>									
SSDPE7KX010701 P4501 Series	U.2	Intel	2.5"	SFF8639(NVMe)	1TB	PCIe Gen3 x4			
SSDPE2KX020801 P4510 Series	U.2	Intel	2.5"	SFF8639(NVMe)	2TB	PCIe Gen3 x4			
SSDPE2KE0327801 P4610 Series	U.2	Intel	2.5"	SFF8639(NVMe)	3.2TB	PCIe Gen3 x4			
MTFDHBE1161TDG 7300 Max Series	U.2	Micron	2.5"	SFF8639(NVMe)	1.6TB	PCIe Gen3 x4	MTFDHBE1161TDG-1AW1ZABYY		
MTFDHBE3181TDF 7300 Pro Series	U.2	Micron	2.5"	SFF8639(NVMe)	3.84TB	PCIe Gen3 x4	MTFDHBE3181TDF-1AW4ZABYY		
MTFDHAI3121TDG 9300 Max Series	U.2	Micron	2.5"	SFF8639(NVMe)	3.2TB	PCIe Gen3 x4			
MTFDHBE960TDF 7300 Pro Series	U.2	Micron	2.5"	SFF8639(NVMe)	960GB	PCIe Gen3 x4	MTFDHBE960TDF-1AW4ZABYY		
PWF100 3.2TB	U.2	PHISON	2.5"	SFF8639(NVMe)	3.2TB	PCIe Gen3 x4			
MZ-QLB119N 983 DCT Series	U.2	Samsung	2.5"	SFF8639(NVMe)	1.92TB	PCIe Gen3 x4			
MZQLW119HMJP PM963 Series	U.2	Samsung	2.5"	SFF8639(NVMe)	1.92TB	PCIe Gen3 x4			
MZWL132HAJQ PM1725b Series	U.2	Samsung	2.5"	SFF8639(NVMe)	3.2TB	PCIe Gen3 x4			
SSDPE7KX038TZ D7-P5510 Series	U.2	Intel	2.5"	SFF8639(NVMe)	3.84TB	PCIe Gen4 x4			
MZWLJ18HBL5 PM1733 Series	U.2	Samsung	2.5"	SFF8639(NVMe)	3.84TB	PCIe Gen4 x4			
MZQL2378HCL5 PM9A3 Series	U.2	Samsung	2.5"	SFF8639(NVMe)	3.84TB	PCIe Gen4 x4			
<b>PCIe SSD</b>									
Product Name	Type	Vendor	Form Factor	Interface	Capacity	Interface Speed	Note		
<b>PCIe</b>									
Samsung PM1725b MZPLL32HAJQ PCIe Gen3 x8 3.2TB	PCIe	Samsung	PCI-E 3.0	PCIe(NVMe)	3.2TB	Gen3 x8			
SSDPEKX040701 P4500 Series PCIe Gen3 x4 4TB	PCIe	Intel	PCI-E 3.0	PCIe(NVMe)	4TB	Gen3 x4			
<b>RAID Card</b>									
Product Name	RAID-on-Chip Controller	Vendor	Host Bus Type	Internal Ports	Internal Connectors	External Ports	External Connectors	Data Transfer Rate	Note
<b>GIGABYTE</b>									
CRA3338	LSI SAS 3008	GIGABYTE	PCIe Gen3 x8	8	2 x Mini-SAS HD SFF-8643	-	-	Up to 12Gb/s per port	
CRA4448	LSI SAS 3108	GIGABYTE	PCIe Gen3 x8	8	2 x Mini-SAS HD SFF-8643	-	-	Up to 12Gb/s per port	
CRA4548	LSI SAS 3108	GIGABYTE	PCIe Gen3 x8	4	2 x Mini-SAS HD SFF-8643	4	1 x Mini-SAS HD SFF-8644	Up to 12Gb/s per port	
CRA4648	LSI SAS 3108	GIGABYTE	PCIe Gen3 x8	8	2 x Mini-SAS HD SFF-8643	-	-	Up to 12Gb/s per port	
CSA3548	LSI SAS 3008	GIGABYTE	PCIe Gen3 x8	-	-	8	2 x Mini-SAS HD SFF-8644	Up to 12Gb/s per port	
CSA4648	LSI SAS 3008	GIGABYTE	PCIe Gen3 x8	8	2 x Mini-SAS HD SFF-8643	-	-	Up to 12Gb/s per port	
<b>LSI</b>									
LSI SAS 9400-16i	SAS9416	LSI	PCIe Gen3 x8	16	4 x Mini-SAS HD SFF-8643	-	-	Up to 12Gb/s per port	
MegaRAID 9560-16i	SAS9316 Tri-Mode RAID-on-Chip (ROC)	LSI	PCIe Gen4 x8	16	2 x SlimSAS SFF-8654	-	-	Up to 12Gb/s per port	
MegaRAID 9560-8i with Tri-Mode	SAS9308 Tri-Mode RAID-on-Chip (ROC)	LSI	PCIe Gen4 x8	8	1 x SlimSAS SFF-8654	-	-	Up to 12Gb/s per port	
P411W32P	PEX89048	LSI	PCIe Gen4 x16	8 x4, 16 x2, or 32 x1	4 x8 SlimSAS SFF-8654	-	-	Up to 12Gb/s per port	
<b>Microsemi</b>									
HBA 1100-16i	PM8242	Microsemi	PCIe Gen3 x8	16	4 x Mini-SAS HD SFF-8643	-	-	Up to 12Gb/s per port	
SmartHBA 2100-8i	PM8222	Microsemi	PCIe Gen3 x8	8	2 x Mini-SAS HD SFF-8643	-	-	Up to 12Gb/s per port	
SmartRAID 3154-16i	PM8236	Microsemi	PCIe Gen3 x8	16	4 x Mini-SAS HD SFF-8643	-	-	Up to 12Gb/s per port	
SmartRAID 3154-8i	PM8204	Microsemi	PCIe Gen3 x8	8	2 x Mini-SAS HD SFF-8643	-	-	Up to 12Gb/s per port	
<b>LAN Card</b>									
Product Name	Connector	Vendor	System Interface Type	# of Ports	Data Rate	Note			
<b>Broadcom</b>									
BCM57412A4120AC	SFP+	Broadcom	PCIe Gen3 x8	Dual	10Gb/s per port	BCM57412			
BCM57414A4142CC	SFP28	Broadcom	PCIe Gen3 x8	Dual	25Gb/s per port	BCM57414			
BCM57416A4160CC	RJ-45	Broadcom	PCIe Gen3 x8	Dual	10Gb/s per port	BCM5741 (P210TP)			
<b>GIGABYTE</b>									
CLN4121	RJ-45	GIGABYTE	PCIe Gen3 x4	Single	10Gb/s per port	INTEL X550-AT			
CLN4222	RJ-45	GIGABYTE	PCIe Gen3 x4	Dual	10Gb/s per port	INTEL X550-AT2			
CLN4224	RJ-45	GIGABYTE	PCIe Gen3 x4	Quad	10Gb/s per port	INTEL X550-AT2 (QuadPort)			
CLN4312	RJ-45	GIGABYTE	PCIe Gen2 x4	Dual	1Gb/s per port	INTEL G50-AM2			
CLN4314	RJ-45	GIGABYTE	PCIe Gen2 x4	Quad	1Gb/s per port	INTEL G50-AM2 (QuadPort)			
CLN4751	QSFP+	GIGABYTE	PCIe Gen3 x8	Single	40Gb/s per port	INTEL XL710			
CLN4752	QSFP+	GIGABYTE	PCIe Gen3 x8	Dual	40Gb/s per port	INTEL XL710			
CLN4831	SFP+	GIGABYTE	PCIe Gen2 x8	Single	10Gb/s per port	INTEL 82599EN			
CLN4832	SFP+	GIGABYTE	PCIe Gen2 x8	Dual	10Gb/s per port	INTEL 82599ES			
CLN4C42	SFP28	GIGABYTE	PCIe Gen3 x16	Dual	25Gb/s per port	Mellanox ConnectX-3 (QuadPort)			
CLN4C44	SFP28	GIGABYTE	PCIe Gen3 x16	Quad	25Gb/s per port	Mellanox ConnectX-3 (QuadPort)			
CLN4M32	SFP28	GIGABYTE	PCIe Gen3 x16	Dual	10Gb/s per port	Mellanox ConnectX-4 (QuadPort)			
CLN4M54	SFP28	GIGABYTE	PCIe Gen3 x16	Quad	10Gb/s per port	Mellanox ConnectX-4			
<b>Intel</b>									
Intel® Ethernet Converged Network Adapter X550-DA2	SFP+	Intel	PCIe Gen2 x8	Dual	10Gb/s per port	This card should be tested in DVT stage when onboa			
Intel® Ethernet Converged Network Adapter X550-T2	RJ-45	Intel	PCIe Gen3 x4	Dual	10Gb/s per port				
Intel® Ethernet Converged Network Adapter X710-DA4	SFP+	Intel	PCIe Gen3 x8	Quad	10Gb/s per port				
Intel® Ethernet Converged Network Adapter X710-T4	RJ-45	Intel	PCIe Gen3 x8	Quad	10Gb/s per port				
Intel® Ethernet Converged Network Adapter XL710-QD	QSFP+	Intel	PCIe Gen3 x8	Dual	40Gb/s per port				
Intel® Ethernet Network Adapter E810-CQDA1	QSFP28	Intel	PCIe Gen4 x16	Single	100Gb/s per port				
Intel® Ethernet Network Adapter E810-XXVDA4	SFP28	Intel	PCIe Gen4 x16	Quad	25Gb/s per port				
Intel® Ethernet Network Adapter X722-DA4	SFP+	Intel	PCIe Gen3 x8	Quad	10Gb/s per port				
Intel® Ethernet Network Adapter XXV710-DA2	SFP28	Intel	PCIe Gen3 x8	Dual	25Gb/s per port				
<b>Mellanox</b>									
MCX4121A-ACAT	SFP28	Mellanox	PCIe Gen3 x8	Dual	25Gb/s per port	Mellanox ConnectX-4 Lx EN			
MCX455A-ECAT	QSFP28	Mellanox	PCIe Gen3 x16	Single	100Gb/s per port	Mellanox ConnectX-4 VPI (InfiniBand)			
MCX456A-ECAT	QSFP28	Mellanox	PCIe Gen3 x16	Dual	100Gb/s per port	Mellanox ConnectX-4 VPI (InfiniBand)			
MCX512A-ACAT	SFP28	Mellanox	PCIe Gen3 x8	Dual	25Gb/s per port	Mellanox ConnectX-5 EN			
MCX515A-CCAT	QSFP28	Mellanox	PCIe Gen3 x16	Single	100Gb/s per port	Mellanox ConnectX-5 EN			
MCX516A-BDAT	QSFP28	Mellanox	PCIe Gen4 x16	Dual	40Gb/s per port	Mellanox ConnectX-5 Ex EN			
MCX516A-CCAT	QSFP28	Mellanox	PCIe Gen3 x16	Dual	100Gb/s per port	Mellanox ConnectX-5 EN			
MCX516A-CDAT	QSFP28	Mellanox	PCIe Gen4 x16	Dual	100Gb/s per port	Mellanox ConnectX-5 Ex EN			
MCX516A-GCAT	QSFP28	Mellanox	PCIe Gen3 x16	Dual	50Gb/s per port	Mellanox ConnectX-5 EN			
MCX555A-ECAT	QSFP28	Mellanox	PCIe Gen3 x16	Single	100Gb/s per port	Mellanox ConnectX-5 VPI (InfiniBand)			
MCX556A-ECAT	QSFP28	Mellanox	PCIe Gen3 x16	Dual	100Gb/s per port	Mellanox ConnectX-5 VPI (InfiniBand)			
MCX556A-EDAT	QSFP28	Mellanox	PCIe Gen4 x16	Dual	100Gb/s per port	Mellanox ConnectX-5 Ex VPI (InfiniBand)			
MCX613106A-VDAT	QSFP56	Mellanox	PCIe Gen4 x16	Dual	200Gb/s per port	Mellanox ConnectX-6 EN			
MCX623105AN-CDAT	QSFP56	Mellanox	PCIe Gen4 x16	Single	100Gb/s per port	ConnectX-6 Dx No Crypto, No Secure Boot			
MCX623106AN-CDAT	QSFP56	Mellanox	PCIe Gen4 x16	Dual	100Gb/s per port	ConnectX-6 Dx No Crypto, No Secure Boot			
MCX631102AN-ADAT	SFP28	Mellanox	PCIe Gen4 x8	Dual	25Gb/s per port	ConnectX-6 Dx without Crypto			
MCX653105A-ECAT	QSFP56	Mellanox	PCIe Gen4 x16	Single	100Gb/s per port	Mellanox ConnectX-6 Ex VPI (InfiniBand)			
MCX653105A-HDAT	QSFP56	Mellanox	PCIe Gen4 x16	Single	200Gb/s per port	Mellanox ConnectX-6 Ex VPI (InfiniBand)			
MCX653106A-HDAT	QSFP56	Mellanox	PCIe Gen4 x16	Dual	200Gb/s per port	Mellanox ConnectX-6 Ex VPI (InfiniBand)			
<b>Qlogic</b>									
QL41212HLCU-SFP	SFP28	Qlogic	PCIe Gen3 x8	Dual	25Gb/s per port				
QL45611HLCU	QSFP28	Qlogic	PCIe Gen3 x16	Single	100Gb/s per port				
QL43442-CL-CK	SFP+	Qlogic	PCIe Gen3 x8	Dual	10Gb/s per port				
QL43442-RJ-CK	RJ-45	Qlogic	PCIe Gen3 x8	Dual	10Gb/s per port				
<b>Graphics Card</b>									
Product Name	Processor Cores	Memory Bandwidth (GB/sec)	VRAM	OpenGL	Microsoft DirectX	Graphics Card Power (W)	NVIDIA SLI / AMD CrossFire Ready	Note	
<b>NVIDIA Quadro (<a href="http://www.nvidia.com/object/quadro-desktop-gpus.html">http://www.nvidia.com/object/quadro-desktop-gpus.html</a>)</b>									
A8000 (Ampere)	10752	788 GB/s	48GB			300 W			
<b>AMD Radeon</b>									
PRO W6600		224 GB/s	8GB	4.6	12	130 W			
Don't write "Test Rems" under this line!!!									