

AMD CPU										
Product Name	Vendor	Code Name	Stepping	L3 Cache	# of Cores / Threads	Processor Base Freq (GHz)	Processor Boost Max Freq (GHz)	Default TDP	cTDP Min / cTDP Max	Memory Types
Genoa										
AMD 9654 100-00000789	AMD	Genoa	PR	384MB	96 / 192	2.40	3.70	360W	320W/400W	DDR5-4800
AMD 9554 100-00000790	AMD	Genoa	PR	256MB	64 / 128	3.10	3.75	360W	320W/400W	DDR5-4800
AMD 9354 100-00000798	AMD	Genoa	PR	256MB	32 / 64	3.25	3.80	280W	240W/300W	DDR5-4800
AMD 9224 100-00000939	AMD	Genoa	PR	64MB	24 / 48	2.50	3.70	200W	200W/240W	DDR5-4800
AMD 9374F 100-00000792	AMD	Genoa	PR	256MB	32 / 64	3.85	4.30	320W	320W/400W	DDR5-4800
AMD 9174F 100-00000796	AMD	Genoa	PR	256MB	16 / 32	4.10	4.40	320W	320W/400W	DDR5-4800
AMD 9654P 100-00000803	AMD	Genoa	PR	384MB	96 / 192	2.40	3.70	360W	320W/400W	DDR5-4800
AMD 9554P 100-00000804	AMD	Genoa	PR	256MB	64 / 128	3.10	3.75	360W	320W/400W	DDR5-4800
AMD 9354P 100-00000805	AMD	Genoa	PR	256MB	32 / 64	3.25	3.80	280W	240W/300W	DDR5-4800
AMD 9124 100-00000802	AMD	Genoa	PR	64MB	16 / 32	3.00	3.70	200W	200W/240W	DDR5-4800
AMD 9474F 100-00000788	AMD	Genoa	PR	256MB	48 / 96	3.60	4.10	360W	320W/400W	DDR5-4800
AMD 9254 100-00000480	AMD	Genoa	PR	128MB	24 / 48	2.90	4.15	200W	200W/240W	DDR5-4800
AMD 9334 100-00000800	AMD	Genoa	PR	128MB	32 / 64	2.70	3.90	210W	200W/240W	DDR5-4800
AMD 9454 100-00000478	AMD	Genoa	PR	256MB	48 / 96	2.75	3.80	290W	240W/300W	DDR5-4800
AMD 9534 100-00000799	AMD	Genoa	PR	256MB	64 / 128	2.45	3.70	280W	240W/300W	DDR5-4800
AMD 9634 100-00000797	AMD	Genoa	PR	384MB	84 / 168	2.25	3.70	290W	240W/300W	DDR5-4800
AMD 9274F 100-00000794	AMD	Genoa	PR	256MB	24 / 48	4.05	4.30	320W	320W/400W	DDR5-4800
AMD 9454P 100-00000873	AMD	Genoa	PR	256MB	48 / 96	2.75	3.80	290W	240W/300W	DDR5-4800
Bergamo										
AMD 9754 100-00000667	AMD	Bergamo	PR	256MB	128 / 256	2.25	3.10	360W	320W/400W	DDR5-4800
AMD 9734 100-00000669	AMD	Bergamo	PR	256MB	112 / 224	2.20	3.00	340W	320W/400W	DDR5-4800
Genoa-X										
AMD 9684X 100-00001254	AMD	Genoa-X	B1	1152MB	96 / 192	2.55	3.70	400W	320W/400W	DDR5-4800
AMD 9384X 100-00000791	AMD	Genoa-X	B1	768MB	32 / 64	3.50	3.90	320W	320W/400W	DDR5-4800
AMD 9184X 100-00000795	AMD	Genoa-X	B1	768MB	16 / 32	3.55	4.20	320W	320W/400W	DDR5-4800
Don't write "Test Items" under this line!!!										
Memory										
Product Name	Memory Type	Module Supplier	Size	Chip Brand	Rank	Voltage	Data Transfer Rate	Error Correction	CAS Latency	Pins
DDR5 RDIMM										
M321R2GA3BB6-CQKVS	DDR5	Samsung	16GB	Samsung	1Rx8	1.1v	4800MHz	ECC Registered		288-pin
M321R4GA3BB6-CQKMG (Cloudflare QVL)	DDR5	Samsung	32GB	Samsung	2Rx8	1.1v	4800MHz	ECC Registered		288-pin
M321R8GA0BB0-CQKVG	DDR5	Samsung	64GB	Samsung-Rambus	2Rx4	1.1v	4800MHz	ECC Registered		288-pin
M321R8GA0BB0-CQKEG	DDR5	Samsung	64GB	Samsung-IDT	2Rx4	1.1v	4800MHz	ECC Registered		288-pin
M321R8GA0BB0-CQKMG (Cloudflare QVL)	DDR5	Samsung	64GB	Samsung	2Rx4	1.1v	4800MHz	ECC Registered		288-pin
M321RAGA0B20-CWKBH	DDR5	Samsung	128GB	Samsung-IDT	2S2Rx4	1.1v	4800MHz	ECC Registered		288-pin
MTC10F1084S1RC48BA1 HCCG	DDR5	Micron	16GB	Micron-IDT	1Rx8	1.1v	4800MHz	ECC Registered		288-pin
MTC10F1084S1RC48BA1 NGCC	DDR5	Micron	16GB	Micron-IDT	1Rx8	1.1v	4800MHz	ECC Registered		288-pin
MTC20F2085S1RC48BA1 HCCG	DDR5	Micron	32GB	Micron-IDT	2Rx8	1.1v	4800MHz	ECC Registered		288-pin
MTC20F2085S1RC48BA1 HCCH	DDR5	Micron	32GB	Micron-Rambus	2Rx8	1.1v	4800MHz	ECC Registered		288-pin
MTC20F2085S1RC48BA1 NGCC	DDR5	Micron	32GB	Micron-IDT	2Rx8	1.1v	4800MHz	ECC Registered		288-pin
MTC20F1045S1RC48BA2 NGCC	DDR5	Micron	32GB	Micron-IDT	1Rx4	1.1v	4800MHz	ECC Registered		288-pin
MTC20F1045S1RC48BA2 HCCH	DDR5	Micron	32GB	Micron-Rambus	1Rx4	1.1v	4800MHz	ECC Registered		288-pin
MTC20F1045S1RC48BA2 HCCG	DDR5	Micron	32GB	Micron-IDT	1Rx4	1.1v	4800MHz	ECC Registered		288-pin
MTC20F1045S1RC48BA2 JICC (Cloudflare QVL)	DDR5	Micron	32GB	Micron	1Rx4	1.1v	4800MHz	ECC Registered		288-pin
MTC20F208XS1RC48BB1	DDR5	Micron	48GB	Micron	2Rx8	1.1v	4800MHz	ECC Registered		288-pin
MTC40F2046S1RC48BA1 FICC (Cloudflare QVL)	DDR5	Micron	64GB	Micron	2Rx4	1.1v	4800MHz	ECC Registered		288-pin
MTC36F2046S1PC48BA1 MHCC	DDR5	Micron	64GB	Micron-Rambus	2Rx4	1.1v	4800MHz	ECC Registered		288-pin
MTC40F2046S1RC48BA1 GCCG	DDR5	Micron	64GB	Micron-IDT	2Rx4	1.1v	4800MHz	ECC Registered		288-pin
MTC40F2046S1RC48BA1 FCCI	DDR5	Micron	64GB	Micron-Montage	2Rx4	1.1v	4800MHz	ECC Registered		288-pin
HMCG78AEBRA107N AA	DDR5	SKhynix	16GB	SKhynix-Montage	1Rx8	1.1v	4800MHz	ECC Registered		288-pin
HMCG78AEBRA115N AA	DDR5	SKhynix	16GB	SKhynix-IDT	1Rx8	1.1v	4800MHz	ECC Registered		288-pin
HMCG88AEBRA107N AA	DDR5	SKhynix	32GB	SKhynix-Montage	2Rx8	1.1v	4800MHz	ECC Registered		288-pin
HMCG88AEBRA115N AA	DDR5	SKhynix	32GB	SKhynix-IDT	2Rx8	1.1v	4800MHz	ECC Registered		288-pin
HMCG84AEBRA168N AA	DDR5	SKhynix	32GB	SKhynix-IDT	1Rx4	1.1v	4800MHz	ECC Registered		288-pin
HMCG84AEBRA115N AA	DDR5	SKhynix	32GB	SKhynix-IDT	1Rx4	1.1v	4800MHz	ECC Registered		288-pin
HMCG84AEBRA107N AA	DDR5	SKhynix	32GB	SKhynix-Montage	1Rx4	1.1v	4800MHz	ECC Registered		288-pin
HMCG94MEBRA109N AA	DDR5	SKhynix	64GB	SKhynix-Montage	2Rx4	1.1v	4800MHz	ECC Registered		288-pin

HMCG94AEBRA109N AA	DDR5	SKhynix	64GB	SKhynix-Montage	2Rx4	1.1v	4800MHz	ECC Registered		288-pin
HMCG94AEBRA123N AA	DDR5	SKhynix	64GB	SKhynix-IDT	2Rx4	1.1v	4800MHz	ECC Registered		288-pin
AO4V48UCSV1-BHRS	DDR5	ADATA	16GB	Samsung-Montage	1Rx8	1.1v	4800MHz	ECC Registered		288-pin
AO4V48UCTV2-BHS	DDR5	ADATA	32GB	Samsung-Montage	2Rx8	1.1v	4800MHz	ECC Registered		288-pin
KSM48R40BS8KMM-16HMR	DDR5	Kingston	16GB	Skhynix-Rambus	1Rx8	1.1v	4800MHz	ECC Registered		288-pin
KSM48R40BS4TMM-32HMR	DDR5	Kingston	32GB	Skhynix-Rambus	1Rx4	1.1v	4800MHz	ECC Registered		288-pin
KSM48R40BD8KMM-32HMR	DDR5	Kingston	32GB	Skhynix-Rambus	2Rx8	1.1v	4800MHz	ECC Registered		288-pin
KSM48R40BD4TMM-64HMR	DDR5	Kingston	64GB	Skhynix-Rambus	2Rx4	1.1v	4800MHz	ECC Registered		288-pin

**Don't write "Test Items" under this line!!!**

**HDD**

Product Name	Type	Vendor	Form Factor	Format	Capacity	Interface Speed	Series	Cache	RPM	Encryption
Seagate Enterprise Capacity 2.5 HDD										
ST2000NX0243	SATA	Seagate	2.5"	4Kn	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

**Don't write "Test Items" under this line!!!**

Seagate Enterprise Capacity 3.5 HDD

ST14000NM0018	SATA	Seagate	3.5"	512e	14TB	6Gb/s	Exos X14 (Enterprise Capacity)	256MB	7200	N/A
ST16000NM001G	SATA	Seagate	3.5"	512e/4Kn	16TB	6Gb/s	EXOS X16	256MB	7200	N/A
ST18000NM000J	SATA	Seagate	3.5"	512e/4Kn	18TB	6Gb/s	EXOS X18	256MB	7200	N/A
ST20000NM007D	SATA	Seagate	3.5"	512e/4Kn	20TB	6Gb/s	EXOS X20	256MB	7200	N/A
ST2000NM0008	SATA	Seagate	3.5"	512n	2TB	6Gb/s	Exos 7E2	128MB	7200	N/A
ST10000NM017B	SATA	Seagate	3.5"	512e/4kn	10TB	6Gb/s	Exos 7E10	256MB	7200	N/A

**Don't write "Test Items" under this line!!!**

WD Enterprise Hard Drives

HUS722T2TALA604 / 1W10002	SATA	HGST / WD	3.5"	512n	2TB	6Gb/s	Ultrastar DC HA210 (7K2)	128MB	7200	N/A
HUS726T6TAL66L4 / 0B36039	SATA	HGST / WD	3.5"	512e	6TB	6Gb/s	Ultrastar DC HC310 (7K6)	256MB	7200	N/A
WUH722222ALE6L4	SATA	WD	3.5"	512e	22TB	6Gb/s	Ultrastar DC HC570	512MB	7200	N/A
WUS721010ALE6L4	SATA	WD	3.5"	512e	10TB	6Gb/s	Ultrastar DC HC320	256MB	7200	N/A
HUH721212ALE604	SATA	WD	3.5"	512e	12TB	6Gb/s	Ultrastar DC HC520	256MB	7200	N/A

**Don't write "Test Items" under this line!!!**

Toshiba Enterprise Hard Drives

MG08ADA800E	SATA	Toshiba	3.5"	512e	8TB	6Gb/s	MG08-D	256MB	7200	N/A
MG09ACA18TE	SATA	Toshiba	3.5"	512e	18TB	12Gb/s	MG09	256MB	7200	N/A

**Don't write "Test Items" under this line!!!**

**SATA/SAS SSD**

Product Name	Type	Vendor	Form Factor	Interface	Capacity	Interface Speed	FW	Note
SATA SSD								
MTFDDAK3T8TDS-1AW1ZABYY (5300 PRO)	SSD	Micron	2.5"	SATA	3.84TB	6Gb/s		
MTFDDAK1T9TDS-1AW1ZABYY (5300 PRO)	SSD	Micron	2.5"	SATA	1.92TB	6Gb/s		
MZ7L3480HCHQ-00A07 PM893 Series	SSD	Samsung	2.5"	SATA	480GB	6Gb/s		
MZ7L33T8HBLT-00A07 PM893 Series	SSD	Samsung	2.5"	SATA	3.84TB	6Gb/s		
MZ7L31T9HBNA-00A07 PM897 Series	SSD	Samsung	2.5"	SATA	1.92TB	6Gb/s		
SSB480GTLWCW-D2-SME1720GBT ESM1720 Series	SSD	Phison	2.5"	SATA	480GB	6Gb/s		
SSB960GTLWCW-D2-SME1720GBT ESM1720 Series	SSD	Phison	2.5"	SATA	960GB	6Gb/s		
SSB1K9GTLWCW-D2-SME1720GBT ESM1720 Series	SSD	Phison	2.5"	SATA	1.92TB	6Gb/s		
SSB240GTLWCW-D2-ESW1710GBT ESW1710 Series	SSD	Phison	2.5"	SATA	240GB	6Gb/s		
SSB480GTLWCW-D2-ESW1710GBT ESW1710 Series	SSD	Phison	2.5"	SATA	480GB	6Gb/s		
SSB960GTLWCW-D2-ESW1710GBT ESW1710 Series	SSD	Phison	2.5"	SATA	960GB	6Gb/s		

**Don't write "Test Items" under this line!!!**

**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	PCIe Gen3 x4	
Samsung PM1725b MZPLL3T2HAJQ PCIe Gen3 x8 3.2TB	PCIe	Samsung	PCI-E 3.0	PCIe(NVMe)	3.2TB	PCIe Gen3 x8	
<b>Don't write "Test Items" under this line!!!</b>							
U.2							
Product Name	Type	Vendor	Form Factor	Interface	Capacity	Interface Speed	Note
U.2 (VROC support)							
SSDPF2KX038TZ D7-P5510 Series	U.2	Intel	2.5" 15mm	SFF8639(NVMe)	3.84TB	PCIe Gen4 x4	
SSDPE2KE032T801	U.2	Solidigm	2.5" 15mm	SFF8639(NVMe)	3.2TB	PCIe Gen3 x4	P4610 Series
SSDPE2KX020T801	U.2	Solidigm	2.5" 15mm	SFF8639(NVMe)	2TB	PCIe Gen3 x4	P4510 Series
<b>Don't write "Test Items" under this line!!!</b>							
U.2							
SSDPF2KX038TZ D7-P5510 Series	U.2	Intel	2.5" 15mm	SFF8639(NVMe)	3.84TB	PCIe Gen4 x4	
SSDPF2KX153T1 D7-P5520 Series	U.2	Intel	2.5" 15mm	SFF8639(NVMe)	15.36TB	PCIe Gen4 x4	
MZWLJ3T8HBL5 PM1733 Series	U.2	Samsung	2.5" 15mm	SFF8639(NVMe)	3.84TB	PCIe Gen4 x4	
MZQL23T8HCLS PM9A3 Series	U.2	Samsung	2.5" 7mm	SFF8639(NVMe)	3.84TB	PCIe Gen4 x4	
MTFDHAL3T2DR 9300 Max Series	U.2	Micron	2.5" 15mm	SFF8639(NVMe)	3.2TB	PCIe Gen3 x4	
MZQL21T9HCJR-00A07 PM9A3 (Cloudflare QVL)	U.2	Samsung	2.5" 7mm	SFF8639(NVMe)	1.92TB	PCIe Gen4 x4	
MZQL23T8HCLS-00A07 PM9A3 (Cloudflare QVL)	U.2	Samsung	2.5" 7mm	SFF8639(NVMe)	3.84TB	PCIe Gen4 x4	
SSDPF2KX038TZ	U.2	Solidigm	2.5" 15mm	SFF8639(NVMe)	3.84TB	PCIe Gen4 x4	
SSDPE2KE032T801	U.2	Solidigm	2.5" 15mm	SFF8639(NVMe)	3.2TB	PCIe Gen3 x4	
SSDPE2KX020T801	U.2	Solidigm	2.5" 15mm	SFF8639(NVMe)	2TB	PCIe Gen3 x4	
MZQLW1T9HMJP	U.2	Samsung	2.5" 7mm	SFF8639(NVMe)	1.92TB	PCIe Gen3 x4	
MZ-QLB1T9N	U.2	Samsung	2.5" 7mm	SFF8639(NVMe)	1.92TB	PCIe Gen3 x4	
MTFDHBE3T8TDF	U.2	Micron	2.5" 7mm	SFF8639(NVMe)	3.84TB	PCIe Gen3 x4	
MTFDHBE960TDF	U.2	Micron	2.5" 7mm	SFF8639(NVMe)	960GB	PCIe Gen3 x4	
MTFDHBE1T6TDG	U.2	Micron	2.5" 7mm	SFF8639(NVMe)	1.6TB	PCIe Gen3 x4	
PS5012-E12	U.2	PHISON	2.5" 7mm	SFF8639(NVMe)	1.92TB	PCIe Gen3 x4	
WUS4C6432DSP3X	U.2	WD	2.5" 15mm	SFF8639(NVMe)	3.2TB	PCIe Gen3 x4	
WUS4CB016D7P3E3	U.2	WD	2.5" 7mm	SFF8639(NVMe)	1.6TB	PCIe Gen3 x4	
WUS4BB096D7P3E3	U.2	WD	2.5" 7mm	SFF8639(NVMe)	960GB	PCIe Gen3 x4	
WUS4CB080D7P3E3	U.2	WD	2.5" 7mm	SFF8639(NVMe)	800GB	PCIe Gen3 x4	
WUS4BB019D7P3E3	U.2	WD	2.5" 7mm	SFF8639(NVMe)	1.92TB	PCIe Gen3 x4	
WUS4BB076D7P3E3	U.2	WD	2.5" 7mm	SFF8639(NVMe)	7.68TB	PCIe Gen3 x4	
WUS4CB064D7P3E3	U.2	WD	2.5" 7mm	SFF8639(NVMe)	6.4TB	PCIe Gen3 x4	
MZWLO15THBLA	U.2	Samsung	2.5" 15mm	SFF8639(NVMe)	15.36TB	PCIe Gen5 x4	
MZWLO3T8HCLS	U.2	Samsung	2.5" 15mm	SFF8639(NVMe)	3.84TB	PCIe Gen5 x4	
MZWLO1T9HCJR	U.2	Samsung	2.5" 15mm	SFF8639(NVMe)	1.92TB	PCIe Gen5 x4	
<b>Don't write "Test Items" under this line!!!</b>							
U.3							
KCM61RUL3T84 CM6-R Series	U.3	KIOXIA	2.5" 15mm	SFF8639(NVMe)	3.84TB	PCIe Gen4 x4	
KCD61LUL3T84 CD6-R Series	U.3	KIOXIA	2.5" 15mm	SFF8639(NVMe)	3.84TB	PCIe Gen4 x4	
MTFDKCB7T6TDZ 7400 Pro Series	U.3	Micron	2.5" 7mm	SFF8639(NVMe)	7.68TB	PCIe Gen4 x4	
MTFDKCC6T4TFC 7400 Max Series	U.3	Micron	2.5" 15mm	SFF8639(NVMe)	6.4TB	PCIe Gen4 x4	
MTFDKCB7T6TFR 7450 Pro Series	U.3	Micron	2.5" 7mm	SFF8639(NVMe)	7.68TB	PCIe Gen4 x4	
MTFDKCC6T4TFS 7450 Max Series	U.3	Micron	2.5" 15mm	SFF8639(NVMe)	6.4TB	PCIe Gen4 x4	
EU36K4GLCv-X1-EPW5970GBT EPW5970 Series	U.3	PHISON	2.5" 15mm	SFF8639(NVMe)	6.4TB	PCIe Gen4 x4	
MTFDKCC1T9TFR-1BC1ZABYY (Cloudflare QVL)	U.3	Micron	2.5" 15mm	SFF8639(NVMe)	1.92TB	PCIe Gen4 x4	
MTFDKCC3T8TFR-1BC1ZABYY (Cloudflare QVL)	U.3	Micron	2.5" 15mm	SFF8639(NVMe)	3.84TB	PCIe Gen4 x4	
KCD6XLUL3T84	U.3	KIOXIA	2.5" 15mm	SFF8639(NVMe)	3.84TB	PCIe Gen4 x4	
<b>Don't write "Test Items" under this line!!!</b>							
M.2							
Product Name	Type	Vendor	Form Factor	Interface	Capacity	Interface Speed	Note
M.2							
MZ1L2960HCJR PM9A3 Series	M.2	Samsung	22110	PCIe(NVMe)	960GB	PCIe Gen4 x4	
MZ1L21T9HCLS PM9A3 Series	M.2	Samsung	22110	PCIe(NVMe)	1.92TB	PCIe Gen4 x4	
MZ-1LB1T9N 983 DCT Series	M.2	Samsung	22110	PCIe(NVMe)	1.92TB	PCIe Gen3 x4	

MTFDKBA800TFC 800GB 7400 Max Series	M.2	Micron	2280	PCIe(NVMe)	800GB	PCIe Gen4 x4		
MTFDKBG3T8TDZ 3.84TB 7400 Pro Series	M.2	Micron	22110	PCIe(NVMe)	3.84TB	PCIe Gen4 x4		
MTFDKBG1T9TDZ 1.92TB 7400 Pro Series	M.2	Micron	22110	PCIe(NVMe)	1.92TB	PCIe Gen4 x4		
CA6-8D2048 CA6 Series	M.2	SSSTC	2280	PCIe(NVMe)	2TB	PCIe Gen4 x4		
ESO480GTLCW-EC-EPR3750GBT EPR3750 Series	M.2	PHISON	2280	PCIe(NVMe)	400GB	PCIe Gen4 x4		
SSDPELX010T801	M.2	Solidigm	22110	PCIe(NVMe)	1TB	PCIe Gen3 x4		
MZ-1LB960N	M.2	Samsung	22110	PCIe(NVMe)	960GB	PCIe Gen3 x4		
MTFDHBA800TDG	M.2	Micron	2280	PCIe(NVMe)	800GB	PCIe Gen3 x4		
MTFDHBA960TDF	M.2	Micron	2280	PCIe(NVMe)	960GB	PCIe Gen3 x4		
CA6-8D1024	M.2	SSSTC	2280	PCIe(NVMe)	1TB	PCIe Gen4 x4		
IM2P41B8-240GC	M.2	ADATA	2280	PCIe(NVMe)	240GB	PCIe Gen4 x4		

**Don't write "Test Items" under this line!!!**

**M.2 Expansion PCIe Card**

Product Name	Type	Vendor	Form Factor	Interface	Max. Channels	Interface Speed		Note
CMT4034	PCIe	Gigabyte	22110	PCIe(NVMe)	4	PCIe Gen3 x16	-	
CMT2014	PCIe	Gigabyte	22110	PCIe(NVMe)	4	PCIe Gen3 x16	-	
CMT4032	PCIe	Gigabyte	22110	PCIe(NVMe)	2	PCIe Gen3 x8	-	

**Don't write "Test Items" under this line!!!**

**RAID Card**

Product Name	Vendor	RAID-on-Chip Controller	Host Bus Type	Internal Ports	Internal Connectors	External Ports	External Connectors	Data Transfer Rates	Note
GIGABYTE Storage Cards									
CRA3338	GIGABYTE	LSI SAS 3008	PCIe Gen3 x8	8	2 x Mini-SAS HD SFF-8643	-	-	Up to 12Gb/s per port	
CSA4648	GIGABYTE	LSI SAS 3008	PCIe Gen3 x8	8	2 x Mini-SAS HD SFF-8643	-	-	Up to 12Gb/s per port	
CRA4448	GIGABYTE	LSI SAS 3108	PCIe Gen3 x8	8	2 x Mini-SAS HD SFF-8643	-	-	Up to 12Gb/s per port	
Broadcom RAID Controller Cards									
MegaRAID 9660-16i	Broadcom	SAS4116 (Avenger ROC)	PCIe Gen4 x8	16	2 SlimSAS SFF-8654	-	-	Up to 24Gb/s per port	
MegaRAID 9560-16i	Broadcom	SAS3916 Tri-Mode RAID-on-Chip (ROC)	PCIe Gen4 x8	16	2 SlimSAS SFF-8654	-	-	Up to 12Gb/s per port	
MegaRAID 9560-8i	Broadcom	SAS3908 Tri-Mode RAID-on-Chip (ROC)	PCIe Gen4 x8	8	1 SlimSAS SFF-8654	-	-	Up to 12Gb/s per port	
MegaRAID 9580-8i8e	Broadcom	SAS3916 Tri-Mode RAID-on-Chip (ROC)	PCIe Gen4 x8	8	2 SlimSAS SFF-8654	8	2 SFF-8644	Up to 12Gb/s per port	
Broadcom Host Bus Adapters (HBAs)									
eHBA 9600-24i Tri-Mode Storage Adapter	Broadcom	SAS4024 (Avenger IOC)	PCIe Gen4 x8	24	3 SlimSAS SFF-8654	-	-	Up to 24Gb/s per port	
eHBA 9600-16i Tri-Mode Storage Adapter	Broadcom	SAS4016 (Avenger IOC)	PCIe Gen4 x8	16	2 SlimSAS SFF-8654	-	-	Up to 24Gb/s per port	
eHBA 9600W-16e Tri-Mode Storage Adapter	Broadcom	SAS4016W (Avenger IOC)	PCIe Gen4 x16	-	-	16	4 SFF-8644	Up to 24Gb/s per port	
eHBA 9600-16e Tri-Mode Storage Adapter	Broadcom	SAS4016 (Avenger IOC)	PCIe Gen4 x8	-	-	16	4 SFF-8644	Up to 24Gb/s per port	
HBA 9500-16i Tri-Mode Storage Adapter	Broadcom	SAS3816	PCIe Gen4 x8	16	2 SlimSAS SFF-8654	-	-	Up to 12Gb/s per port	
HBA 9500-8i Tri-Mode Storage Adapter	Broadcom	SAS3808	PCIe Gen4 x8	8	1 SlimSAS SFF-8654	-	-	Up to 12Gb/s per port	
HBA 9500-16e Tri-Mode Storage Adapter	Broadcom	SAS3816	PCIe Gen4 x8	-	-	16	4 SFF-8644	Up to 12Gb/s per port	
HBA 9500-8e Tri-Mode Storage Adapter	Broadcom	SAS3808	PCIe Gen4 x8	-	-	8	2 SFF-8644	Up to 12Gb/s per port	
Broadcom NVMe Switch Adapter									
P411W-32P	Broadcom	PEX88048	PCIe Gen4 x16	8 x4, 16 x2, or 32 x1 NVMe SSD connect	4 SlimSAS SFF-8654	-	-		
PMC RAID Cards (Adaptec)									
81605ZQ	Adaptec	-	PCIe Gen3 x8	16	4 x Mini-SAS HD SFF-8643	-	-	Up to 12Gb/s per port	
Microsemi RAID Cards									
SmartRAID 3154-16i	Microsemi	PM8236	PCIe Gen3 x8	16	4 x Mini-SAS HD SFF-8643	-	-	Up to 12Gb/s per port	
Microsemi Host Bus Adapters									

SmartHBA 2100-8i	Microsemi	PM8222	PCIe Gen3 x8	8	2 x Mini-SAS HD SFF-8643	-	-	Up to 12Gb/s per port	
<b>LAN Cards</b>									
Product Name	Connector	System Interface Type		# of Ports	Data Rate				Note
<b>GIGABYTE LAN Cards</b>									
CLN4752	QSFP+	PCIe Gen3 x8		Dual	40Gb/s per port				INTEL XL710
CLN4224	RJ-45	PCIe Gen3 x4		Quad	10Gb/s per port				INTEL X550-AT2
CLN4M34	SFP28	PCIe Gen3 x16		Quad	10Gb/s per port				Mellanox ConnectX-4
CLN4832	SFP+	PCIe Gen2 x8		Dual	10Gb/s per port				
CLN4751	QSFP+	PCIe Gen3 x8		Single	40Gb/s per port				
CLN4222	RJ-45	PCIe Gen3 x4		Dual	10Gb/s per port				
CLN4C42	SFP28	PCIe Gen3 x16		Dual	25Gb/s per port				
CLN4C44	SFP28	PCIe Gen3 x16		Quad	25Gb/s per port				
CLN4M32	SFP28	PCIe Gen3 x16		Dual	10Gb/s per port				
CLN4312	RJ-45	PCIe Gen2 x4		Dual	1Gb/s per port				
CLN4314	RJ-45	PCIe Gen2 x4		Quad	1Gb/s per port				
CLN4D40	SFP28	PCIe Gen3 x8		Dual	25Gb/s per port				Broadcom BCM57414
CLN4B20	RJ-45	PCIe Gen3 x8		Dual	10Gb/s per port				Broadcom BCM57416
CLNCD42	SFP28	OCF PCIe Gen3 x8		Dual	25Gb/s per port				Broadcom BCM57414 / Support OCP 3.0
CLNCB22	RJ-45	OCF PCIe Gen3 x8		Dual	10Gb/s per port				Broadcom BCM57416 / Support OCP 3.0
CLNCA12	RJ-45	OCF PCIe Gen2 x2		Dual	1Gb/s per port				Broadcom BCM5720 / Support OCP 3.0
<b>Don't write "Test Items" under this line!!!</b>									
<b>Intel_10GbE</b>									
Intel® Ethernet Network Adapter X722-DA4	SFP+	PCIe Gen3 x8		Quad	10Gb/s per port				
X550-T2	RJ-45	PCIe Gen3 x4		Dual	10Gb/s per port				
X710-T4	RJ-45	PCIe Gen3 x8		Quad	10Gb/s per port				
X710-DA4	SFP+	PCIe Gen3 x8		Quad	10Gb/s per port				
<b>Don't write "Test Items" under this line!!!</b>									
<b>Intel_25GbE</b>									
Intel® Ethernet Network Adapter E810-XXVDA2 for OCP	SFP28	OCF PCIe Gen4 x8		Dual	25Gb/s per port				Support OCP 3.0
Intel® Ethernet Network Adapter E810-XXVDA4	SFP28	PCIe Gen4 x16		Quad	25Gb/s per port				
Intel® Ethernet Network Adapter XXV710-DA2	SFP28	PCIe Gen3 x8		Dual	25Gb/s per port				
Intel® Ethernet Network Adapter E810-XXVDA2	SFP28	PCIe Gen4 x8		Dual	25Gb/s per port				
<b>Don't write "Test Items" under this line!!!</b>									
<b>Intel_100GbE</b>									
Intel® Ethernet Network Adapter E810-CQDA2	QSFP28	PCIe Gen4 x16		Dual	100Gb/s per port				
Intel® Ethernet Network Adapter E810-CQDA2 for OCP	QSFP28	OCF PCIe Gen4 x16		Dual	100Gb/s per port				
Intel® Ethernet Network Adapter E810-CQDA1 for OCP	QSFP28	OCF PCIe Gen4 x16		Single	100Gb/s per port				
Intel® Ethernet Network Adapter E810-CQDA1	QSFP28	PCIe Gen4 x16		Single	100Gb/s per port				
<b>Don't write "Test Items" under this line!!!</b>									
<b>Mellanox ConnectX</b>									
MCX713106AC-VEAT	QSFP112	PCIe Gen5 x16		Dual	200Gb/s per port				ConnectX®-7 with Crypto and Secure Boot
MCX631102AN-ADAT	SFP28	PCIe Gen4 x8		Dual	25Gb/s per port				ConnectX®-6 Dx without Crypto
MCX623106AN-CDAT	QSFP56	PCIe Gen4 x16		Dual	100Gb/s per port				ConnectX®-6 Dx No Crypto, No Secure Boot
MCX623435AC-VDAB	QSFP56	OCF PCIe Gen4 x16		Single	200Gb/s per port				ConnectX®-6 Dx With Crypto1, With Secure Boot / Support OCP 3.0
MCX613106A-VDAT	QSFP56	PCIe Gen4 x16		Dual	200Gb/s per port				
MCX4121A-ACAT	SFP28	PCIe Gen3 x8		Dual	25Gb/s per port				Mellanox ConnectX-4 Lx EN
MCX623105AN-CDAT	QSFP56	PCIe Gen4 x16		Single	100Gb/s per port				ConnectX®-6 Dx No Crypto, No Secure Boot
MCX516A-BDAT	QSFP28	PCIe Gen4 x16		Dual	40Gb/s per port				Mellanox ConnectX-5 Ex EN
MCX515A-CCAT	QSFP28	PCIe Gen3 x16		Single	100Gb/s per port				Mellanox ConnectX-5 EN
MCX516A-GCAT	QSFP28	PCIe Gen3 x16		Dual	50Gb/s per port				Mellanox ConnectX-5 EN
MCX566A-CDAI	QSFP28	OCF PCIe Gen4 x16		Dual	100Gb/s per port				Mellanox ConnectX-5 Ex EN / Support OCP 3.0
MCX512A-ACAT	SFP28	PCIe Gen3 x8		Dual	25Gb/s per port				Mellanox ConnectX-5 EN

MCX631432AN-ADAB	SFP28	OCPC PCIe Gen4 x8	Dual	25Gb/s per port	Mellanox ConnectX@-6 Lx without Crypto / Support OCP 3.0
MCX516A-CCAT	QSFP28	PCIe Gen3 x16	Dual	100Gb/s per port	Mellanox ConnectX-5 EN
<b>Don't write "Test Items" under this line!!!</b>					
Mellanox VPI Adapter Cards					
MCX75310AAS-NEAT	QSFP	PCIe Gen5 x16	Single	400Gb/s per port	NVIDIA ConnectX-7 VPI (InfiniBand)
MCX75310AAC-NEAT	QSFP	PCIe Gen5 x16	Single	400Gb/s per port	NVIDIA ConnectX-7 VPI (InfiniBand)
MCX755106AC-HEAT	QSFP112	PCIe Gen5 x16	Dual	200Gb/s per port	Mellanox ConnectX-7 (without Dual-Slot Socket Direct Ready function)
MCX683105AN-HDAT	QSFP	PCIe Gen4 x16	Single	200Gb/s per port	Mellanox ConnectX-6 DE VPI (InfiniBand)
MCX653106A-HDAT	QSFP56	PCIe Gen4 x16	Dual	200Gb/s per port	Mellanox ConnectX-6 Ex VPI (InfiniBand)
MCX653105A-ECAT	QSFP56	PCIe Gen4 x16	Single	100Gb/s per port	Mellanox ConnectX-6 Ex VPI (InfiniBand)
MCX653105A-HDAT	QSFP56	PCIe Gen4 x16	Single	200Gb/s per port	Mellanox ConnectX-6 Ex VPI (InfiniBand)
MCX653106A-ECAT	QSFP56	PCIe Gen4 x16	Dual	100Gb/s per port	Mellanox ConnectX-6 Ex VPI (InfiniBand)
MCX556A-EDAT	QSFP28	PCIe Gen4 x16	Dual	100Gb/s per port	Mellanox ConnectX-5 Ex VPI (InfiniBand)
MCX555A-ECAT	QSFP28	PCIe Gen3 x16	Single	100Gb/s per port	Mellanox ConnectX-5 VPI (InfiniBand)
MCX556A-ECAT	QSFP28	PCIe Gen3 x16	Dual	100Gb/s per port	Mellanox ConnectX-5 VPI (InfiniBand)
MCX354A-FCBT	QSFP	PCIe Gen3 x8	Dual	FDR and 40/56GbE	
<b>Don't write "Test Items" under this line!!!</b>					
(Mellanox) NVIDIA BlueField-2 DPU Cards					
MBF2M345A-HESOT	QSFP56	PCIe Gen4 x16	Single	200Gb/s per port	E-Series/ 2.0GHz
<b>Don't write "Test Items" under this line!!!</b>					
Qlogic LAN Adapters					
QL45611HLCU	QSFP28	PCIe Gen3 x16	Single	100Gb/s per port	
QLE3442-CU-CK	SFP+	PCIe Gen3 x8	Dual	10Gb/s per port	
QLE3442-RJ-CK	RJ-45	PCIe Gen3 x8	Dual	10Gb/s per port	
QL41212HLCU-SP	SFP28	PCIe Gen3 x8	Dual	25Gb/s per port	
QL41132HLCU-SP	SFP28	PCIe Gen3 x8	Dual	10Gb/s per port	
Broadcom (Emulex) Ethernet Networking Adapters					
BCM957504-N1100G	QSFP56	OCPC PCIe 4.0	Single	100Gb/s per port	BCM57508 / Support OCP 3.0
BCM957412A4120AC	SFP+	PCIe Gen3 x8	Dual	10Gb/s per port	BCM57412
BCM957414N4140C	SFP28	OCPC PCIe Gen3 x8	Dual	25Gb/s per port	BCM57414 / Support OCP 3.0
BCM957412N4120C	SFP+	OCPC PCIe Gen3 x8	Dual	10Gb/s per port	BCM57412 / Support OCP 3.0
BCM957508-P2100G	QSFP56	PCIe Gen4 x16	Dual	100Gb/s per port	BCM57508
BCM957414A4142CC	SFP28	PCIe Gen3 x8	Dual	25Gb/s per port	BCM57414 (P225P)
BCM957504-N425G	SFP28	OCPC PCIe 4.0	Quad	25Gb/s per port	BCM57504 / Support OCP 3.0
BCM957508-N2100G	QSFP56	OCPC PCIe 4.0	Dual	100Gb/s per port	BCM57508 / Support OCP 3.0
BCM957416N4160C-N210TP	RJ-45	OCPC PCIe Gen3 x8	Dual	10Gb/s per port	BCM57416 / Support OCP 3.0
BCM957416A4160C	RJ-45	PCIe Gen3 x8	Dual	10Gb/s per port	BCM57416 (P210TP)
<b>Don't write "Test Items" under this line!!!</b>					
Chelsio Networking Adapters					
T6225-CR	SFP28	PCIe Gen3 x8	Dual	25Gb/s per port	Power 13w
T6225-SO-CR	SFP28	PCIe Gen3 x8	Dual	25Gb/s per port	Power 10w
T62100-CR	QSFP28	PCIe Gen3 x16	Dual	100Gb/s per port	Power 22w
T62100-LP-CR	QSFP28	PCIe Gen3 x16	Dual	100Gb/s per port	Power 19w
T540-LP-CR	SFP+	PCIe Gen3 x8	Quad	10Gb/s per port	Power 11w
<b>Don't write "Test Items" under this line!!!</b>					
<b>USB Device</b>					
Product Name	Type	Vendor	Capacity		Note
USB 3.0					

PURE CLASSIC X176B1FWBO75	HDD	Gigabyte	500GB					
TOSHIBA CANVIO BASIC	HDD	Toshiba	500GB					
NA317U+	Device	ineo	N/A					
SST-TS13	Device	Silver Stone	N/A					
S1-DS3-Plus	Device	CyberSLIM	N/A					
MB981U3-1S	Device	ICYDOCK	N/A					
i310-SB3(6G)	Device	STARDOM	N/A					
TS-RDF8K	Card Reader	Transcend	N/A					
U3-GL01A	USB3.0 Hub + LAN	伽利略	N/A					
JUA350	External display HDMI	j5 create	N/A					
U3I-682	HDD Dock	伽利略	N/A					
BW-H13C1039A	USB3.0 HUB	BROWAY	N/A					
Verico Evolution Lite S	Flash	Type-A	16GB					
SUPERIOR S102 PRO	Flash	Type-A	8GB					
<b>Don't write "Test Items" under this line!!!</b>								