

"MX31-BS0" Qualification Vender List Ver:2.0												
Intel CPU												
Product Name	Code Name	Q-Spec	Stepping	Cache	System Bus	# of Cores	Processor Base Frequency	Max Turbo Frequency	TDP	Memory Types	Processor Graphics	
Intel® Xeon® Processor E3-1200v6 series												
Intel® Xeon® Processor E3-1220v6	Kabylake-S	QKHR	B0	6MB	8 GT/s	4	3.0 GHz	3.5 GHz	72W	DDR4-2400	None	
Intel® Xeon® Processor E3-1225v6	Kabylake-S	QKHN	B0	6MB	8 GT/s	4	3.3 GHz	3.7 GHz	73W	DDR4-2400	Intel® HD Graphics P630 (Graphic function can not be used)	
Intel® Xeon® Processor E3-1230v6	Kabylake-S	QKHV	B0	6MB	8 GT/s	4	3.5 GHz	3.9 GHz	72W	DDR4-2400	None	
Intel® Xeon® Processor E3-1240v6	Kabylake-S	QKHU	B0	6MB	8 GT/s	4	3.7GHz	4.1 GHz	72W	DDR4-2400	None	
Intel® Xeon® Processor E3-1245v6	Kabylake-S	QKHQ	B0	6MB	8 GT/s	4	3.7GHz	4.1 GHz	73W	DDR4-2400	Intel® HD Graphics P630 (Graphic function can not be used)	
Intel® Xeon® Processor E3-1270v6	Kabylake-S	QKHT	B0	6MB	8 GT/s	4	3.8 GHz	4.2 GHz	72W	DDR4-2400	None	
Intel® Xeon® Processor E3-1275v6	Kabylake-S	QKHP	B0	6MB	8 GT/s	4	3.8 GHz	4.2 GHz	73W	DDR4-2400	Intel® HD Graphics P630 (Graphic function can not be used)	
Intel® Xeon® Processor E3-1280v6	Kabylake-S	QKHS	B0	6MB	8 GT/s	4	3.9GHz	4.2 GHz	72W	DDR4-2400	None	
7th Generation Intel® Core™ i7/i5 Processors series (UDIMM ECC memory support only)												
Intel® Core™ i5-7400 Processor (6M Cache, 3.50 GHz)	Kabylake-DT	QKZQ	B0	6 MB	8 GT/s	4	3.0 GHz	3.5 GHz	65 W	DDR4-2400	Intel® HD Graphics 630 (Graphic function can not be used)	
Intel® Core™ i5-7400T Processor (6M Cache, 3.00 GHz)	Kabylake-DT	QKHH	B0	6 MB	8 GT/s	4	2.4 GHz	3.0 GHz	35 W	DDR4-2400	Intel® HD Graphics 630 (Graphic function can not be used)	
Intel® Core™ i5-7500 Processor (6M Cache, 3.80 GHz)	Kabylake-DT	QKHC	B0	6 MB	8 GT/s	4	3.4 GHz	3.8 GHz	65 W	DDR4-2400	Intel® HD Graphics 630 (Graphic function can not be used)	
Intel® Core™ i5-7500T Processor (6M Cache, 3.30 GHz)	Kabylake-DT	QKHG	B0	6 MB	8 GT/s	4	2.7 GHz	3.3 GHz	35 W	DDR4-2400	Intel® HD Graphics 630 (Graphic function can not be used)	
Intel® Core™ i5-7600 Processor (6M Cache, 4.10 GHz)	Kabylake-DT	QKHB	B0	6 MB	8 GT/s	4	3.5 GHz	4.1 GHz	65 W	DDR4-2400	Intel® HD Graphics 630 (Graphic function can not be used)	
Intel® Core™ i5-7600T Processor (6M Cache, 3.70 GHz)	Kabylake-DT	QKHF	B0	6 MB	8 GT/s	4	2.8 GHz	3.7 GHz	35 W	DDR4-2400	Intel® HD Graphics 630 (Graphic function can not be used)	
Intel® Core™ i5-7600K Processor (6M Cache, 4.20 GHz)	Kabylake-DT	QKH9	B0	6 MB	8 GT/s	4	3.8 GHz	4.2 GHz	91 W	DDR4-2400	Intel® HD Graphics 630 (Graphic function can not be used)	
Intel® Core™ i7-7700 Processor (8M Cache, 4.20 GHz)	Kabylake-DT	QKHA	B0	8 MB	8 GT/s	4	3.6 GHz	4.2 GHz	65 W	DDR4-2400	Intel® HD Graphics 630 (Graphic function can not be used)	
Intel® Core™ i7-7700T Processor (8M Cache, 3.80 GHz)	Kabylake-DT	QKHE	B0	8 MB	8 GT/s	4	2.9 GHz	3.8 GHz	35 W	DDR4-2400	Intel® HD Graphics 630 (Graphic function can not be used)	
Intel® Core™ i7-7700K Processor (8M Cache, 4.50 GHz)	Kabylake-DT	QKH8	B0	8 MB	8 GT/s	4	4.2 GHz	4.5 GHz	91 W	DDR4-2400	Intel® HD Graphics 630 (Graphic function can not be used)	
7th Generation Intel® Core™ i3/Pentium/Celeron Processors (UDIMM ECC memory support only)												
Intel® Core™ i3-7300 Processor (4M Cache, 4.00 GHz)	Kabylake-DT	QL35	S0	4 MB	8 GT/s	2	4.0 GHz	None	51 W	DDR4-2400	Intel® HD Graphics 630 (Graphic function can not be used)	
Intel® Core™ i3-7300T Processor (4M Cache, 3.50 GHz)	Kabylake-DT	QL3M	S0	4 MB	8 GT/s	2	3.5 GHz	None	35 W	DDR4-2400	Intel® HD Graphics 630 (Graphic function can not be used)	
Intel® Core™ i3-7320 Processor (4M Cache, 4.10 GHz)	Kabylake-DT	QL34	S0	4 MB	8 GT/s	2	4.1 GHz	None	51 W	DDR4-2400	Intel® HD Graphics 630 (Graphic function can not be used)	
Intel® Core™ i3-7100 Processor (3M Cache, 3.90 GHz)	Kabylake-DT	QL38	S0	3 MB	8 GT/s	2	3.9 GHz	None	51 W	DDR4-2400	Intel® HD Graphics 630 (Graphic function can not be used)	
Intel® Core™ i3-7100T Processor (3M Cache, 3.40 GHz)	Kabylake-DT	QL3P	S0	3 MB	8 GT/s	2	3.4 GHz	None	35 W	DDR4-2400	Intel® HD Graphics 630 (Graphic function can not be used)	
Intel® Pentium® Processor G4620 (3M Cache, 3.70 GHz)	Kabylake-DT	QL3A	S0	3 MB	8 GT/s	2	3.7 GHz	None	51 W	DDR4-2400	Intel® HD Graphics 630 (Graphic function can not be used)	
Intel® Pentium® Processor G4600 (3M Cache, 3.60 GHz)	Kabylake-DT	QL3B	S0	3 MB	8 GT/s	2	3.6 GHz	None	51 W	DDR4-2400	Intel® HD Graphics 630 (Graphic function can not be used)	
Intel® Pentium® Processor G4600T (3M Cache, 3.00 GHz)	Kabylake-DT	QL3R	S0	3 MB	8 GT/s	2	3.0 GHz	None	35 W	DDR4-2400	Intel® HD Graphics 630 (Graphic function can not be used)	
Intel® Pentium® Processor G4560 (3M Cache, 3.50 GHz)	Kabylake-DT	QKZZ	B0	3 MB	8 GT/s	2	3.5 GHz	None	54 W	DDR4-2400	Intel® HD Graphics 610 (Graphic function can not be used)	
Intel® Pentium® Processor G4560T (3M Cache, 2.90 GHz)	SKYLAKE-DT	QL3T	S0	3 MB	8 GT/s	2	2.9 GHz	None	35 W	DDR4-2400	Intel® HD Graphics 610 (Graphic function can not be used)	

Intel® Celeron® Processor G3930 (2M Cache, 2.90 GHz)	SKYLAKE-DT	QL3H	S0	2 MB	8 GT/s	2	2.9 GHz	None	51W	DDR4-2133	Intel® HD Graphics 610 (Graphic function can not be used)
Intel® Celeron® Processor G3930T (2M Cache, 2.70 GHz)	SKYLAKE-DT	QL3V	S0	2 MB	8 GT/s	2	2.7 GHz	None	35 W	DDR4-2133	Intel® HD Graphics 610 (Graphic function can not be used)
Intel® Celeron® Processor G3950 (2M Cache, 3.00 GHz)	SKYLAKE-DT	QL3G	S0	2 MB	8 GT/s	2	3.0 GHz	None	51 W	DDR4-2133	Intel® HD Graphics 610 (Graphic function can not be used)
Intel® Xeon® Processor E3-1200v5 series											
Intel® Xeon® Processor E3-1220v5	SKnLAKE-S	Q JFX	R0	8MB	8 GT/s	4	3.0 GHz	3.5 GHz	80W	DDR4-2133	None
Intel® Xeon® Processor E3-1225v5	SKnLAKE-S	SR2CS	R0	8MB	8 GT/s	4	3.3 GHz	3.7 GHz	80W	DDR4-2133	Intel® HD Graphics P530 (Graphic function can not be used)
Intel® Xeon® Processor E3-1230v5	SKnLAKE-S	Q J79	R0	8MB	8 GT/s	4	3.4 GHz	3.8 GHz	80W	DDR4-2133	None
Intel® Xeon® Processor E3-1235Lv5	SKnLAKE-S	SR2CV	R0	8MB	8 GT/s	4	2.0 GHz	3.0 GHz	25W	DDR4-2133	Intel® HD Graphics P530 (Graphic function can not be used)
Intel® Xeon® Processor E3-1240Lv5	SKnLAKE-S	Q JHG	R0	8MB	8 GT/s	4	2.1 GHz	3.2 GHz	25W	DDR4-2133	None
Intel® Xeon® Processor E3-1240v5	SKnLAKE-S	Q J78	R0	8MB	8 GT/s	4	3.5 GHz	3.9 GHz	80W	DDR4-2133	None
Intel® Xeon® Processor E3-1245v5	SKnLAKE-S	SR2CU	R0	8MB	8 GT/s	4	3.5 GHz	3.9 GHz	80W	DDR4-2133	Intel® HD Graphics P530 (Graphic function can not be used)
Intel® Xeon® Processor E3-1260Lv5	SKnLAKE-S	Q JGT	R0	8MB	8 GT/s	4	2.9 GHz	3.9 GHz	45W	DDR4-2133	None
Intel® Xeon® Processor E3-1270v5	SKnLAKE-S	Q J7A	R0	8MB	8 GT/s	4	3.6 GHz	4.0 GHz	80W	DDR4-2133	None
Intel® Xeon® Processor E3-1275v5	SKnLAKE-S	SR2CT	R0	8MB	8 GT/s	4	3.6 GHz	4.0 GHz	80W	DDR4-2133	Intel® HD Graphics P530 (Graphic function can not be used)
Intel® Xeon® Processor E3-1280v5	SKnLAKE-S	Q JHF	R0	8MB	8 GT/s	4	3.7 GHz	4.0 GHz	80W	DDR4-2133	None
6th Generation Intel® Core™ i7/i5 Processors series (UDIMM ECC memory support only)											
Intel® Core™ i5-6400 Processor (6M Cache, 3.30 GHz)	SKyLAKE-DT	QJEH	R0	6 MB	8 GT/s	4	2.7 GHz	3.3 GHz	65 W	DDR4-2133	Intel® HD Graphics 530 (Graphic function can not be used)
Intel® Core™ i5-6400T Processor (6M Cache, 2.80 GHz)	SKyLAKE-DT	QJE7	R0	6 MB	8 GT/s	4	2.2 GHz	2.8 GHz	35 W	DDR4-2133	Intel® HD Graphics 530 (Graphic function can not be used)
Intel® Core™ i5-6500 Processor (6M Cache, 3.60 GHz)	SKyLAKE-DT	QJEF	R0	6 MB	8 GT/s	4	3.2 GHz	3.6 GHz	65 W	DDR4-2133	Intel® HD Graphics 530 (Graphic function can not be used)
Intel® Core™ i5-6500T Processor (6M Cache, 3.10 GHz)	SKyLAKE-DT	QJEJ	R0	6 MB	8 GT/s	4	2.5 GHz	3.1 GHz	35 W	DDR4-2133	Intel® HD Graphics 530 (Graphic function can not be used)
Intel® Core™ i5-6600 Processor (6M Cache, 3.90 GHz)	SKyLAKE-DT	QJEE	R0	6 MB	8 GT/s	4	3.3 GHz	3.9 GHz	65 W	DDR4-2133	Intel® HD Graphics 530 (Graphic function can not be used)
Intel® Core™ i5-6600T Processor (6M Cache, 3.50 GHz)	SKyLAKE-DT	QJEK	R0	6 MB	8 GT/s	4	2.7 GHz	3.5 GHz	35 W	DDR4-2133	Intel® HD Graphics 530 (Graphic function can not be used)
Intel® Core™ i5-6600K Processor (6M Cache, 3.90 GHz)	SKyLAKE-DT	QJEC	R0	6 MB	8 GT/s	4	3.5 GHz	3.9 GHz	91 W	DDR4-2133	Intel® HD Graphics 530 (Graphic function can not be used)
Intel® Core™ i7-6700 Processor (8M Cache, 4.00 GHz)	SKyLAKE-DT	QJE9	R0	8 MB	8 GT/s	4	3.4 GHz	4.0 GHz	65 W	DDR4-2133	Intel® HD Graphics 530 (Graphic function can not be used)
Intel® Core™ i7-6700T Processor (8M Cache, 3.60 GHz)	SKyLAKE-DT	QJEB	R0	8 MB	8 GT/s	4	2.8 GHz	3.6 GHz	35 W	DDR4-2133	Intel® HD Graphics 530 (Graphic function can not be used)
Intel® Core™ i7-6700K Processor (8M Cache, 4.20 GHz)	SKyLAKE-DT	QJE6	R0	8 MB	8 GT/s	4	4.0 GHz	4.2 GHz	91 W	DDR4-2133	Intel® HD Graphics 530 (Graphic function can not be used)
6th Generation Intel® Core™ i3/Pentium/Celeron Processors (UDIMM ECC memory support only)											
Intel® Core™ i3-6300 Processor (4M Cache, 3.80 GHz)	SKYLAKE-DT	QJZ9	S0	4 MB	8 GT/s	2	3.8 GHz	None	51 W	DDR4-2133	Intel® HD Graphics 530 (Graphic function can not be used)
Intel® Core™ i3-6300T Processor (4M Cache, 3.30 GHz)	SKYLAKE-DT	QJZC	S0	4 MB	8 GT/s	2	3.3 GHz	None	35 W	DDR4-2133	Intel® HD Graphics 530 (Graphic function can not be used)
Intel® Core™ i3-6320 Processor (4M Cache, 3.90 GHz)	SKYLAKE-DT	QJZ8	S0	4 MB	8 GT/s	2	3.9 GHz	None	51 W	DDR4-2133	Intel® HD Graphics 530 (Graphic function can not be used)
Intel® Core™ i3-6100 Processor (3M Cache, 3.70 GHz)	SKYLAKE-DT	QJZG	S0	3 MB	8 GT/s	2	3.7 GHz	None	51 W	DDR4-2133	Intel® HD Graphics 530 (Graphic function can not be used)
Intel® Core™ i3-6100T Processor (3M Cache, 3.20 GHz)	SKYLAKE-DT	QJZE	S0	3 MB	8 GT/s	2	3.2 GHz	None	35 W	DDR4-2133	Intel® HD Graphics 530 (Graphic function can not be used)
Intel® Pentium® Processor G4520 (3M Cache, 3.60 GHz)	SKYLAKE-DT	QJZM	S0	3 MB	8 GT/s	2	3.6 GHz	None	51 W	DDR4-2133	Intel® HD Graphics 530 (Graphic function can not be used)
Intel® Pentium® Processor G4500T (3M Cache, 3.00 GHz)	SKYLAKE-DT	QK1A	S0	3 MB	8 GT/s	2	3 GHz	None	35 W	DDR4-2133	Intel® HD Graphics 530 (Graphic function can not be used)
Intel® Pentium® Processor G4500 (3M Cache, 3.50 GHz)	SKYLAKE-DT	QJZJ	S0	3 MB	8 GT/s	2	3.5 GHz	None	51 W	DDR4-2133	Intel® HD Graphics 530 (Graphic function can not be used)

Intel® Pentium® Processor G4400 (3M Cache, 3.30 GHz)	SKYLAKE-DT	QJZK	S0	3 MB	8 GT/s	2	3.3 GHz	None	54 W	DDR4-2133	Intel® HD Graphics 510 (Graphic function can not be used)
Intel® Pentium® Processor G4400T (3M Cache, 2.90 GHz)	SKYLAKE-DT	QJZQ	S0	3 MB	8 GT/s	2	2.9 GHz	None	35 W	DDR4-2133	Intel® HD Graphics 510 (Graphic function can not be used)
Intel® Celeron® Processor G3900 (2M Cache, 2.80 GHz)	SKYLAKE-DT	QJZU	S0	2 MB	8 GT/s	2	2.8 GHz	None	51W	DDR4-2133	Intel® HD Graphics 510 (Graphic function can not be used)
Intel® Celeron® Processor G3900T (2M Cache, 2.60 GHz)	SKYLAKE-DT	QJZS	S0	2 MB	8 GT/s	2	2.6 GHz	None	35 W	DDR4-2133	Intel® HD Graphics 510 (Graphic function can not be used)
Intel® Celeron® Processor G3920 (2M Cache, 2.90 GHz)	SKYLAKE-DT	QJZW	S0	2 MB	8 GT/s	2	2.8 GHz	None	51 W	DDR4-2133	Intel® HD Graphics 510 (Graphic function can not be used)

Memory

Product Name	Memory Type	Module Supplier	Size	Chip Brand	Rank	Voltage	Data Transfer Rate	Error Correction	CAS Latency	Pins	Note
ECC UDIMM											
M4C0-8GSSMCRG	DDR4	INNODISK	8GB	Samsung		1.2v	2133MHz	ECC Unbuffer	15	288-pin	
M4C0-4GSSLCRG	DDR4	INNODISK	4GB	Samsung		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	2Rx8	1.2v	2133MHz	ECC Unbuffer	15	288-pin	
PED42133C158GVS	DDR4	Panram	8GB	SKhnnix		1.2v	2133MHz	ECC Unbuffer	15	288-pin	
PED42133C154GVS	DDR4	Panram	4GB	SKhnnix		1.2v	2133MHz	ECC Unbuffer	15	288-pin	
CMA6-3GA01DAR01MEO	DDR4	acpi	8GB			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	288-pin	
T4D4C10S61163	DDR4	TeamGroup	8GB	Samsung	1R	1.2v	2133MHz	ECC Unbuffer	15	288-pin	
78.B1GM4.AF00B	DDR4	Apacer	4GB	SKhnnix		1.2v	2133MHz	ECC Unbuffer	15	288-pin	
CT8G4WFD8213.18FA1	DDR4	Crucial	8GB	Micron	2R	1.2v	2133MHz	ECC Unbuffer	15	288-pin	
CT4G4WFS8213.9FA1	DDR4	Crucial	4GB	Micron	1R	1.2v	2133MHz	ECC Unbuffer	15	288-pin	
T4D4C10S61163	DDR4	TeamGroup	8GB	Samsung	1R	1.2v	2133MHz	ECC Unbuffer	15	288-pin	
CMA6-3GA01DAR01MEO	DDR4	acpi	8GB			1.2v	2133MHz	ECC Unbuffer	15	288-pin	
KVR21E15D8/8HA	DDR4	Kingston	8GB	SKhnnix	2R	1.2v	2133MHz	ECC Unbuffer	15	288-pin	
CT8G4WFD824A.18FB1	DDR4	Crucial	8GB	Micron	2RX8	1.2v	2400MHz	ECC Unbuffer	17	288-pin	
MTA18ASF1G72AZ-2G3B1ZK	DDR4	Micron	8GB	Micron	2RX8	1.2v	2400MHz	ECC Unbuffer	17	288-pin	
KVR21N15D8/8	DDR4	Kingston	8GB			1.2V	2133MHz	ECC Unbuffer	15	288-pin	
HMA81GU7AFR8N-UHT0	DDR4	SKhynix	8GB		1Rx8	1.2V	2400MHz	ECC Unbuffer	17	288-pin	
AD4U2400316G17-B	DDR4	ADATA	16GB			1.2v	2400MHz	ECC Unbuffer	17	288-pin	
HMA82GU7AFR8N-UHT0	DDR4	SK Hynix	16GB	SKhynix	2Rx8	1.2v	2400MHz	ECC Unbuffer	17	288-pin	
KVR24E17S8/8MA	DDR4	Kingston	8GB		1Rx8	1.2v	2400MHz	ECC Unbuffer	17	288-pin	
KVR24E17D8/16MA	DDR4	Kingston	16GB		2Rx8	1.3v	2401MHz	ECC Unbuffer	17	288-pin	
M4C0-AGS1MCSJ	DDR4	Innodisk	16GB		2Rx8	1.4v	2402MHz	ECC Unbuffer	17	288-pin	

Seagate HDD

Product Name	Type	Vendor	Form Factor	Format	Capacity	Interface Speed	Series	Cache	RPM	Encryption	FW
ST1800MM0018	SAS	Seagate	2.5"	N/A	1.8TB	12Gb/s	Performance	129MB	10000	N/A	E004
ST9250610NS	SATA	Seagate	2.5"	N/A	250GB	6Gb/s	Constellation 2	64MB	7200	N/A	SN02
ST2000NX0253	SATA	Seagate	2.5"	N/A	2TB	6Gb/s	Constellation 2	128MB	7200	N/A	
ST2000NX0254	SATA	Seagate	2.5"	N/A	2TB	6Gb/s	Constellation 2	128MB	7200	N/A	
ST2000NX0253	SATA	Seagate	2.5"	512E	2TB	6Gb/s	Exos 7E2000 (Enterprise Capacity V.3)	128MB	7200	N/A	
ST9250610NS	SATA	Seagate	2.5"	N/A	250GB	6Gb/s	Constellation 2	64MB	7200	N/A	SN02
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	

ST1000NX0313	SATA	Seagate	2.5"	512e	1TB	6Gb/s	Enterprise Capacity V.3	128MB	7200	N/A	
ST4000NM0033	SATA	Seagate	3.5"	512N	4TB	6Gb/s	ES.3	128MB	7200	N/A	
ST8000NM0016	SATA	Seagate	3.5"	N/A	8TB	12Gb/s	Performance	256MB	7200	N/A	SNCO
ST8000NM0055	SATA	Seagate	3.5"	512E	8TB	6Bb/s	ES.3	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	
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	
WD HDD											
Product Name	Type	Vendor	Form Factor	Format	Capacity	Interface Speed	Series	Cache	RPM	Encryption	FW
WD2500BHTZ-04JCPV0	SATA	WD	2.5"	N/A	250GB	6Gb/s	WD VelociRaptor	64MB	10K	N/A	04JCPV0
HGST HDD											
Product Name	Type	Vendor	Form Factor	Format	Capacity	Interface Speed	Series	Cache	RPM	Encryption	FW
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	8B0
HUS726060ALA640	SATA	HGST	3.5"	512N	6TB	6Gb/s	Ultrastar He6	64MB	7200	N/A	
HMS5C4040BLE640	SATA	HGST	3.5"	512e	4TB	6Gb/s	MegaScale DC 4000.B	64MB	5400	N/A	5D0
HUH728080ALE604	SATA	HGST	3.5"	512e	8TB	6Gb/s	Ultrastar He8	128MB	7200	N/A	514
HUS726060ALE610	SATA	HGST	3.5"	512e	6TB	6Gb/s	Ultrastar 7K6000	128MB	7200	N/A	517
HUS726060ALE614	SATA	HGST	3.5"	512e	6TB	6Gb/s	Ultrastar 7K6000	128MB	7200	N/A	907
Toshiba HDD											
Product Name	Type	Vendor	Form Factor	Format	Capacity	Interface Speed	Series	Cache	RPM	Encryption	FW
AL13SXB60EE	SAS	Toshiba	2.5"	N/A	600GB	12Gb/s	Performance	128MB	15000	N/A	O1O1
MG04ACA500E	SATA	Toshiba	3.5"	N/A	5TB	6Gb/s	Enterprise Capacity	128MB	7200	N/A	FP3B
MG05ACA800A	SATA	Toshiba	3.5"	4KN	8TB	6Gb/s	Enterprise Capacity	128MB	7200	N/A	GX1A
MG05ACA800E	SATA	Toshiba	3.5"	512e	8TB	6Gb/s	Enterprise Capacity	128MB	7200	N/A	GX1A
MG04ACA600E	SATA	Toshiba	3.5"	512e	6TB	6Gb/s	Enterprise Capacity	128MB	7200	N/A	FS2B
MG04ACA100N	SATA	Toshiba	3.5"	512e	1TB	6Gb/s	Capacity	128MB	7200	N/A	A0
SSD											
Product Name	Type	Vendor	Form Factor	Interface	Capacity	Interface Speed	FW	Note			
XF1212-1A0512	SSD	Seagate	SATA	2.5"	480GB	-					
ASX1000LS7-240GM	SSD	ADATA	SATA	2.5"	240GB	6Gb/s					
SSDPEDMD400G4	SSD	Intel	NVMe	PCI-E 3.0	400GB	-					
SSDPEDMX012T4	SSD	Intel	NVMe	PCI-E 3.0	1.2TB	-					

SSDPEDME400G4	SSD	Intel	NVMe	PCI-E 3.0	400GB	-			
ASR1010SS-480GM	SSD	ADATA	SATA	2.5"	480GB	-	6Gb/s		
PX04PMC320	SSD	Toshiba	NVMe	PCI-E	3.2T	-			
SDLF1CRR-019T-1HA1	SSD	SanDisk	SATA	2.5"	1.92TB	-			

M.2

Model	Type	Vendor	Form Factor	Interface	Capacity	Interface Speed	FW		Note
MZHPV128HDGM	M.2	Samsung	-	PCIe 3.0 x4	128GB				
MZHPV256HDGL-00000	M.2	Samsung	-	PCIe 3.0 x4	256GB				
MZVPV128HDGM-0000	M.2	Samsung	-	PCIe(NVMe)	128GB				
MZVPV512HDGL-0000	M.2	Samsung	-	PCIe(NVMe)	512GB				
MZHPV512HDGL-00000	M.2	Samsung	-	PCIe(AHCI)	512GB				
PX-G128M6e-2280	M.2	PLEXTOR	-	PCI-E	128GB	-			
ND280C-512GM-MT	M.2	TECHCOMP	2280	PCIe	512GB				
Me.262 256GB M.2	M.2	Ezlink	2280	PCIe	256GB				

Hard Drive SATA DOM

Model	Type	Vendor	Form Factor	Interface	Capacity	Interface Speed	FW		Note
DESSL-64GD09BCADCB	Vertical	INNODISK			64GB				
DESSL-64GD72SCADNA	Vertical	INNODISK			64GB				
DESSL-64GM41BC1SCB	Vertical	INNODISK	64GB	MLC		0.734W 1 (5V x 146.9mA)			
DESSL-64GM41BCADCB	Vertical	INNODISK	64GB	MLC		0.815W 2 (5V x 163mA)			
DESSH-64GM41BC1SCB	Horizontal	INNODISK	64GB	MLC					

RAID Cards

Model	RAID-on-Chip Controller	Host Bus Type	Internal Ports	Internal Connectors	External Ports	External Connectors	Data Transfer Rates	FW	Note
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GIGABYTE Storage Cards

GC-MSLZ2	LSI SAS 2008	PCIe- x8 Gen2 x8 bus	2	Mini-SAS for 8x SAS	-	-	6Gb/s ports		
GC-MSLZ4	LSI SAS 2008	PCIe- x8 Gen2 x8 bus	2	Mini-SAS for 8x SAS	-	-	6Gb/s ports		
RA200-8	LSI SAS 2308	PCIe- x8 Gen3 x8 bus	2	Mini-SAS for 8x SAS	-	-	6Gb/s ports		
RA201-A	LSI SAS 2208	PCIe- x8 Gen3 x8 bus	2	Mini-SAS for 8x SAS	-	-	6Gb/s ports		
CRA3338	LSI SAS 3208	PCIe- x8 Gen3 x8 bus	2	Mini-SAS for 8x SAS	-	-	12Gb/s ports		
CRA4548	LSI SAS 3108	PCIe- x8 Gen3 x8 bus	1	+1 x internal Mini-SAS HD SFF8643	1	+1 x external Mini-SAS	12Gb/s ports		
CRA4448	LSI SAS 3108	PCIe- x8 Gen3 x8 bus	2	+2 x internal Mini-SAS HD SFF8643	-	-	12Gb/s ports		
GC-MSEE4	Marvell 9230	PCIe- x4 Gen2 x4 bus	4	SATA III	-	-	6Gb/s ports		

LSI RAID Controller Cards							
MegaRAID SAS 9271-8i	LSISAS2208 Dual-Core RAID on Chip (ROC)	x8 lane PCI Express® 3.0	8	2 Mini-SAS SFF8087 (side mount)	-	-	Up to 6Gb/s per port
MegaRAID SAS 9260-8i	LSISAS2008	x8 lane PCI Express® 2.0	8	2 Mini-SAS SFF8087 (vertical orientation)	-	-	Up to 6Gb/s per port
MegaRAID SAS 9240-8i	LSISAS2008	x8 lane PCI Express® 2.0	8	2 Mini-SAS SFF8087 (vertical orientation)	-	-	Up to 6Gb/s per port
PMC RAID Cards (Adaptec)							
Adaptec RAID 6805T	-	8-Lane PCIe Gen2	8	2 Internal, SFF-8087, Top-Mounted	-	-	6 Gb/s per port
Adaptec ASR-8805		8-lane PCIe Gen3	2	Two internal mini SAS HD (SFF-8643),	2	two external mini SAS HD (SFF-8644)	12 Gb/s per port
Adaptec ASR-8885Q		8-lane PCIe Gen3	2	Two internal mini SAS HD (SFF-8643),	2	two external mini SAS HD (SFF-8644)	12 Gb/s per port
Adaptec ASR-81605ZQ		8-lane PCIe Gen3	4	Four internal mini SAS HD (SFF-8643),	4	Four internal mini SAS HD (SFF-8643),	12 Gb/s per port
CSA3548	LSI SAS 3008	PCIe- x8 Gen3 x8 bus	-	-	2	*2 x external Mini-SAS	12Gb/s ports
LAN Cards							
Product Name	Connector	System Interface Type	# of Ports	System Interface Type	Data rate	Note	
GIGABYTE LAN Cards							
GC-MNXE21	SFP+	PCIe x8 Gen3 x8	Dual		10Gb/s per port	Mellanox ConnectX-3	
GC-MLBZ1	SFP+	PCIe x8 Gen2 x8	Dual		10Gb/s per port	Broadcom BCM57810S	
CLN4831	SFP+	PCIe x8 Gen2 x8	Single		10Gb/s per port	INTEL 82599EN	
CLN4832	SFP+	PCIe x8 Gen2 x8	Dual		10Gb/s per port	INTEL 82599ES	
CLN4751	QSFP+	PCIe x8 Gen3 x8	Single		40Gb/s per port	INTEL XL710	
CLN4752	QSFP+	PCIe x8 Gen3 x8	Dual		40Gb/s per port	INTEL XL710	
CLN4522	RJ-45	PCIe x8 Gen2 x8	Dual		10Gb/s per port	INTEL X540	
CLN4312	RJ-45	PCIe x4 Gen2 x4	Dual		1Gb/s per port	INTEL i350-AM4	
CLN4314	RJ-45	PCIe x4 Gen2 x4	Quad		1Gb/s per port	INTEL i350-AM4	
CLN4222	RJ-45	PCIe x4 Gen3 x4	Dual		10Gb/s per port		
CLN4121	RJ-45	PCIe x4 Gen3 x4	single		10Gb/s per port		
Intel_GbE							
Intel® Ethernet Server Adapter I350-T4	RJ-45	PCIe v2.1 (5.0GT/s)	Quad		1Gb/s per port		
Intel_10GbE							
Intel® Ethernet Converged Network Adapter X540-T1	RJ-45	PCIe 2.1 (5.0 GT/s)	Single		10Gb/s per port		
Qlogic Fibre Channel Adapters							
QLE3442-RJ-CK	RJ-45	PCIe x8 Gen3 x8	Dual		10Gb/s per port		
PSU							

Product Name	Vendor	Input Voltage	Wattage	Application	Efficiency	FW	Note
EVEREST 85plus 600W	FSP	100~240Vac	600W	Desktop	80Gold		
黑熊大力士760 EPSPower760 SD-760EPS	黑熊大力士	100~240Vac	760W	Desktop	N/A		
USB Device							
Product Name	Type	Vendor	Capacity	Note			
USB 3.0							
GoFlex STAA500305	HDD	Seagate	500G				