

"G481-H81" Qualification Vender List

Please contact FAE support for below orange blocks

Intel CPU										
Product Name	Code Name	Q-Spec	Stepping	Cache	System Bus	# of Cores	Processor Base Frequency	Max Turbo Frequency	TDP	Memory Types
Purley - Intel® Xeon® Processor Scalable Family										
Intel® Xeon® Processor Platinum 8180	SKYLAKE-S	QMQ7	H0	38.5 MB L3	10.4 GT/s	28	2.50 GHz	3.80 GHz	205 W	DDR4-2666
Intel® Xeon® Processor Platinum 8176M	SKYLAKE-S	QM7R	H0	38.5 MB L3	10.4 GT/s	28	2.10 GHz	3.80 GHz	165 W	DDR4-2666
Intel® Xeon® Processor Platinum 8176F	SKYLAKE-S	QNC8	H0	38.5 MB L3	10.4 GT/s	28	2.10 GHz	3.80 GHz	173 W	DDR4-2666
Intel® Xeon® Processor Platinum 8176	SKYLAKE-S	QMQ3	H0	38.5 MB L3	10.4 GT/s	28	2.10 GHz	3.80 GHz	165 W	DDR4-2666
Intel® Xeon® Processor Platinum 8170	SKYLAKE-S	QMOC	H0	35.75 MB L3	10.4 GT/s	26	2.10 GHz	3.70 GHz	165 W	DDR4-2666
Intel® Xeon® Processor Platinum 8168	SKYLAKE-S	QMQ8	H0	33 MB L3	10.4 GT/s	24	2.70 GHz	3.70 GHz	205 W	DDR4-2666
Intel® Xeon® Processor Platinum 8164	SKYLAKE-S	QMS8	H0	35.75 MB L3	10.4 GT/s	26	2.00 GHz	3.70 GHz	150 W	DDR4-2666
Intel® Xeon® Processor Platinum 8160T	SKYLAKE-S	QMRG	H0	33 MB L3	10.4 GT/s	24	2.10 GHz	3.70 GHz	150 W	DDR4-2666
Intel® Xeon® Processor Platinum 8160	SKYLAKE-S	QMRV	H0	33 MB L3	10.4 GT/s	24	2.10 GHz	3.70 GHz	150 W	DDR4-2666
Intel® Xeon® Processor Platinum 8153	SKYLAKE-S	QMS7	H0	22 MB L3	10.4 GT/s	16	2.00 GHz	2.80 GHz	125 W	DDR4-2666
Intel® Xeon® Processor Gold 6154	SKYLAKE-S	QMQ9	H0	24.75 MB L3	10.4 GT/s	18	3.00 GHz	3.70 GHz	200 W	DDR4-2666
Intel® Xeon® Processor Gold 6152	SKYLAKE-S	QMRZ	H0	30.25 MB L3	10.4 GT/s	22	2.10 GHz	3.70 GHz	140 W	DDR4-2666
Intel® Xeon® Processor Gold 6150	SKYLAKE-S	QMQ6	H0	24.75 MB L3	10.4 GT/s	18	2.70 GHz	3.70 GHz	165 W	DDR4-2666
Intel® Xeon® Processor Gold 6148F	SKYLAKE-S	QN3G	H0	27.5 MB L3	10.4 GT/s	20	2.40 GHz	3.70 GHz	160 W	DDR4-2666
Intel® Xeon® Processor Gold 6148	SKYLAKE-S	QMS1	H0	27.5 MB L3	10.4 GT/s	20	2.40 GHz	3.70 GHz	150 W	DDR4-2666
Intel® Xeon® Processor Gold 6146	SKYLAKE-S	QN7C	H0	24.75 MB L3	10.4 GT/s	12	3.20 GHz	4.20 GHz	165 W	DDR4-2666
Intel® Xeon® Processor Gold 6144	SKYLAKE-S	QN7D	H0	24.75 MB L3	10.4 GT/s	8	3.50 GHz	4.20 GHz	150 W	DDR4-2666
Intel® Xeon® Processor Gold 6142M	SKYLAKE-S	QMRW	H0	22 MB L3	10.4 GT/s	16	2.60 GHz	3.70 GHz	150 W	DDR4-2666
Intel® Xeon® Processor Gold 6142F	SKYLAKE-S	QN3F	H0	22 MB L3	10.4 GT/s	16	2.60 GHz	3.70 GHz	160 W	DDR4-2666
Intel® Xeon® Processor Gold 6142	SKYLAKE-S	QMRT	H0	22 MB L3	10.4 GT/s	16	2.60 GHz	3.70 GHz	150 W	DDR4-2666
Intel® Xeon® Processor Gold 6140M	SKYLAKE-S	QMRU	H0	24.75 MB L3	10.4 GT/s	18	2.30 GHz	3.70 GHz	140 W	DDR4-2666
Intel® Xeon® Processor Platinum 8190	SKYLAKE-S	QMQ7	H0	38.5 MB L3	10.4 GT/s	28	2.50 GHz	3.80 GHz	205 W	DDR4-2666
Intel® Xeon® Processor Platinum 8176M	SKYLAKE-S	QM7R	H0	38.5 MB L3	10.4 GT/s	28	2.10 GHz	3.80 GHz	165 W	DDR4-2666
Intel® Xeon® Processor Platinum 8176F	SKYLAKE-S	QNC8	H0	38.5 MB L3	10.4 GT/s	28	2.10 GHz	3.80 GHz	173 W	DDR4-2666
Intel® Xeon® Processor Platinum 8176	SKYLAKE-S	QMQ3	H0	38.5 MB L3	10.4 GT/s	28	2.10 GHz	3.80 GHz	165 W	DDR4-2666
Intel® Xeon® Processor Platinum 8170	SKYLAKE-S	QMOC	H0	35.75 MB L3	10.4 GT/s	26	2.10 GHz	3.70 GHz	165 W	DDR4-2666
Intel® Xeon® Processor Platinum 8168	SKYLAKE-S	QMQ8	H0	33 MB L3	10.4 GT/s	24	2.70 GHz	3.70 GHz	205 W	DDR4-2666
Intel® Xeon® Processor Platinum 8164	SKYLAKE-S	QMS8	H0	35.75 MB L3	10.4 GT/s	26	2.00 GHz	3.70 GHz	150 W	DDR4-2666
Intel® Xeon® Processor Platinum 8160T	SKYLAKE-S	QMRG	H0	33 MB L3	10.4 GT/s	24	2.10 GHz	3.70 GHz	150 W	DDR4-2666
Intel® Xeon® Processor Platinum 8160	SKYLAKE-S	QMRV	H0	33 MB L3	10.4 GT/s	24	2.10 GHz	3.70 GHz	150 W	DDR4-2666
Intel® Xeon® Processor Platinum 8153	SKYLAKE-S	QMS7	H0	22 MB L3	10.4 GT/s	16	2.00 GHz	2.80 GHz	125 W	DDR4-2666
Intel® Xeon® Processor Gold 6154	SKYLAKE-S	QMQ9	H0	24.75 MB L3	10.4 GT/s	18	3.00 GHz	3.70 GHz	200 W	DDR4-2666
Intel® Xeon® Processor Gold 6152	SKYLAKE-S	QMRZ	H0	30.25 MB L3	10.4 GT/s	22	2.10 GHz	3.70 GHz	140 W	DDR4-2666
Intel® Xeon® Processor Gold 6150	SKYLAKE-S	QMQ6	H0	24.75 MB L3	10.4 GT/s	18	2.70 GHz	3.70 GHz	165 W	DDR4-2666
Intel® Xeon® Processor Gold 6148F	SKYLAKE-S	QN3G	H0	27.5 MB L3	10.4 GT/s	20	2.40 GHz	3.70 GHz	160 W	DDR4-2666
Intel® Xeon® Processor Gold 6148	SKYLAKE-S	QMS1	H0	27.5 MB L3	10.4 GT/s	20	2.40 GHz	3.70 GHz	150 W	DDR4-2666
Intel® Xeon® Processor Gold 6146	SKYLAKE-S	QN7C	H0	24.75 MB L3	10.4 GT/s	12	3.20 GHz	4.20 GHz	165 W	DDR4-2666
Intel® Xeon® Processor Gold 6144	SKYLAKE-S	QN7D	H0	24.75 MB L3	10.4 GT/s	8	3.50 GHz	4.20 GHz	150 W	DDR4-2666
Intel® Xeon® Processor Gold 6142M	SKYLAKE-S	QMRW	H0	22 MB L3	10.4 GT/s	16	2.60 GHz	3.70 GHz	150 W	DDR4-2666
Intel® Xeon® Processor Gold 6142F	SKYLAKE-S	QN3F	H0	22 MB L3	10.4 GT/s	16	2.60 GHz	3.70 GHz	160 W	DDR4-2666
Intel® Xeon® Processor Gold 6142	SKYLAKE-S	QMRT	H0	22 MB L3	10.4 GT/s	16	2.60 GHz	3.70 GHz	150 W	DDR4-2666
Intel® Xeon® Processor Gold 6140M	SKYLAKE-S	QMRU	H0	24.75 MB L3	10.4 GT/s	18	2.30 GHz	3.70 GHz	140 W	DDR4-2666
Intel® Xeon® Processor Gold 6140	SKYLAKE-S	QMRS	H0	24.75 MB L3	10.4 GT/s	18	2.30 GHz	3.70 GHz	140 W	DDR4-2666
Intel® Xeon® Processor Gold 6138T	SKYLAKE-S	QMS9	H0	27.5 MB L3	10.4 GT/s	20	2.00 GHz	3.70 GHz	125 W	DDR4-2666
Intel® Xeon® Processor Gold 6138F	SKYLAKE-S	QN3H	H0	27.5 MB L3	10.4 GT/s	20	2.00 GHz	3.70 GHz	135 W	DDR4-2666
Intel® Xeon® Processor Gold 6138	SKYLAKE-S	QMS0	H0	27.5 MB L3	10.4 GT/s	20	2.00 GHz	3.70 GHz	125 W	DDR4-2666
Intel® Xeon® Processor Gold 6136	SKYLAKE-S	QMRX	H0	24.75 MB L3	10.4 GT/s	12	3.00 GHz	3.70 GHz	150 W	DDR4-2666
Intel® Xeon® Processor Gold 6134	SKYLAKE-S	QMRL	H0	24.75 MB L3	10.4 GT/s	8	3.20 GHz	3.70 GHz	130 W	DDR4-2666
Intel® Xeon® Processor Gold 6132	SKYLAKE-S	QN33	H0	19.25 MB L3	10.4 GT/s	14	2.60 GHz	3.70 GHz	140 W	DDR4-2666
Intel® Xeon® Processor Gold 6130T	SKYLAKE-S	QN38	H0	22 MB L3	10.4 GT/s	16	2.10 GHz	3.70 GHz	125 W	DDR4-2666
Intel® Xeon® Processor Gold 6130F	SKYLAKE-S	QMHX	H0	22 MB L3	10.4 GT/s	16	2.10 GHz	3.70 GHz	135 W	DDR4-2666
Intel® Xeon® Processor Gold 6130	SKYLAKE-S	QMS6	H0	22 MB L3	10.4 GT/s	16	2.10 GHz	3.70 GHz	125 W	DDR4-2666
Intel® Xeon® Processor Gold 6128	SKYLAKE-S	QN34	H0	19.25 MB L3	10.4 GT/s	6	3.40 GHz	3.70 GHz	115 W	DDR4-2666
Intel® Xeon® Processor Gold 6126T	SKYLAKE-S	QN39	H0	19.25 MB L3	10.4 GT/s	12	2.60 GHz	3.70 GHz	125 W	DDR4-2666
Intel® Xeon® Processor Gold 6126F	SKYLAKE-S	QMHS	H0	19.25 MB L3	10.4 GT/s	12	2.60 GHz	3.70 GHz	135 W	DDR4-2666
Intel® Xeon® Processor Gold 6126	SKYLAKE-S	QMRV	H0	19.25 MB L3	10.4 GT/s	12	2.60 GHz	3.70 GHz	125 W	DDR4-2666
Intel® Xeon® Processor Gold 5122	SKYLAKE-S	QMRN	H0	16.5 MB L3	10.4 GT/s	4	3.60 GHz	3.70 GHz	105 W	DDR4-2666
Intel® Xeon® Processor Gold 5120T	SKYLAKE-S	QMXL	M0	19.25 MB L3	10.4 GT/s	14	2.20 GHz	3.20 GHz	105 W	DDR4-2400
Intel® Xeon® Processor Gold 5120	SKYLAKE-S	QMXJ	M0	19.25 MB L3	10.4 GT/s	14	2.20 GHz	3.20 GHz	105 W	DDR4-2400
Intel® Xeon® Processor Gold 5119T	SKYLAKE-S	QN11	M0	19.25 MB L3	10.4 GT/s	14	1.90 GHz	3.20 GHz	85 W	DDR4-2400
Intel® Xeon® Processor Gold 5119	SKYLAKE-S	QMXH	M0	16.5 MB L3	10.4 GT/s	12	2.30 GHz	3.20 GHz	105 W	DDR4-2400
Intel® Xeon® Processor Gold 5117F	SKYLAKE-S	QN98	H0	19.25MB L3	10.4 GT/s	14	2.00 GHz	2.80 GHz	113W	DDR4-2400
Intel® Xeon® Processor Gold 5115	SKYLAKE-S	QMXG	M0	13.75 MB L3	10.4 GT/s	10	2.40 GHz	3.20 GHz	85 W	DDR4-2400

Intel® Xeon® Processor Silver 4116T	SKYLAKE-S	QN7B	M0	16.5 MB L3	9.6 GT/s	12	2.10 GHz	3.00 GHz	85 W	DDR4-2400
Intel® Xeon® Processor Silver 4116	SKYLAKE-S	QN1J	M0	16.5 MB L3	9.6 GT/s	12	2.10 GHz	3.00 GHz	85 W	DDR4-2400
Intel® Xeon® Processor Silver 4114T	SKYLAKE-S	QN7A	U0	13.75 MB L3	9.6 GT/s	10	2.20 GHz	3.00 GHz	85 W	DDR4-2400
Intel® Xeon® Processor Silver 4114	SKYLAKE-S	QN0B	U0	13.75 MB L3	9.6 GT/s	10	2.20 GHz	3.00 GHz	85 W	DDR4-2400
Intel® Xeon® Processor Silver 4112	SKYLAKE-S	QN0E	U0	8.25MB	9.6 GT/s	4	2.6 GHz	3.00 GHz	85W	DDR4-2400
Intel® Xeon® Processor Silver 4110	SKYLAKE-S	QN09	U0	11MB	9.6 GT/s	8	2.1 GHz	3.00 GHz	85W	DDR4-2400
Intel® Xeon® Processor Silver 4109T	SKYLAKE-S	QN0F	U0	11 MB L3	9.6 GT/s	8	2.00 GHz	3.00 GHz	70 W	DDR4-2400
Intel® Xeon® Processor Silver 4108	SKYLAKE-S	QN0A	U0	11MB	9.6 GT/s	8	1.8 GHz	3.00 GHz	85W	DDR4-2400
Intel® Xeon® Processor Bronze 3106	SKYLAKE-S	QN0C	U0	11MB	9.6 GT/s	8	1.7 GHz	None	85W	DDR4-2133
Intel® Xeon® Processor Bronze 3104	SKYLAKE-S	QN0D	U0	8.25MB	9.6 GT/s	6	1.7 GHz	None	85W	DDR4-2133
Purley - Intel® Xeon® Processor Scalable Family										
Intel® Xeon® Processor Platinum 8280M	Cascadelake SP	QRL0	B0	38.5MB	10.4 GT/s	28	2.6 GHz		205W	DDR4-2933
Intel® Xeon® Processor Platinum 8280L	Cascadelake SP	QRL1	B0	38.5MB	10.4 GT/s	28	2.6 GHz		205W	DDR4-2933
Intel® Xeon® Processor Platinum 8280	Cascadelake SP	QRKZ	B0	38.5MB	10.4 GT/s	28	2.6 GHz		205W	DDR4-2933
Intel® Xeon® Processor Platinum 8276M	Cascadelake SP	ORAW	B0	38.5MB	10.4 GT/s	28	2.2 GHz		165W	DDR4-2933
Intel® Xeon® Processor Platinum 8276L	Cascadelake SP	ORAV	B0	38.5MB	10.4 GT/s	28	2.2 GHz		165W	DDR4-2933
Intel® Xeon® Processor Platinum 8270	Cascadelake SP	ORAU	B0	35.75MB	10.4 GT/s	26	2.7 GHz		205W	DDR4-2933
Intel® Xeon® Processor Platinum 8268	Cascadelake SP	QRAT	B0	33MB	10.4 GT/s	24	2.9 GHz		205W	DDR4-2933
Intel® Xeon® Processor Platinum 8260M	Cascadelake SP	QRCA	B0	33MB	10.4 GT/s	24	2.3 GHz		165W	DDR4-2933
Intel® Xeon® Processor Platinum 8260L	Cascadelake SP	QR2C	B0	33MB	10.4 GT/s	24	2.3 GHz		165W	DDR4-2933
Intel® Xeon® Processor Platinum 8256	Cascadelake SP	QRAP	B0	16.5MB	10.4 GT/s	4	3.8 GHz		105W	DDR4-2933
Intel® Xeon® Processor Platinum 8253	Cascadelake SP	QRAN	B0	22MB	10.4 GT/s	16	2.2 GHz		125W	DDR4-2933
Intel® Xeon® Processor Gold 6256	Cascadelake SP	QTBO	B1	33MB	10.4 GT/s	12	3.6 GHz		205W	DDR4-2933
Intel® Xeon® Processor Gold 6254	Cascadelake SP	QRAM	B0	24.75MB	10.4 GT/s	18	3.1 GHz		200W	DDR4-2933
Intel® Xeon® Processor Gold 6252	Cascadelake SP	QRAL	B0	33MB	10.4 GT/s	24	2.1 GHz		150W	DDR4-2933
Intel® Xeon® Processor Gold 6248	Cascadelake SP	ORAK	B0	27.5MB	10.4 GT/s	20	2.5 GHz		150W	DDR4-2933
Intel® Xeon® Processor Gold 6244	Cascadelake SP	ORAJ	B0	24.75MB	10.4 GT/s	8	3.6 GHz		150W	DDR4-2933
Intel® Xeon® Processor Gold 6242	Cascadelake SP	ORAH	B0	22MB	10.4 GT/s	16	2.8 GHz		150W	DDR4-2933
Intel® Xeon® Processor Gold 6240Y	Cascadelake SP	ORBX	B0	24.75MB	10.4 GT/s	18	2.6 GHz		150W	DDR4-2933
Intel® Xeon® Processor Gold 6240	Cascadelake SP	ORAG	B0	24.75MB	10.4 GT/s	18	2.6 GHz		150W	DDR4-2933
Intel® Xeon® Processor Gold 6238T	Cascadelake SP	ORBW	B0	30.25MB	10.4 GT/s	22	1.9 GHz		125W	DDR4-2933
Intel® Xeon® Processor Gold 6230	Cascadelake SP	QRAD	B0	27.5MB	10.4 GT/s	20	2.1 GHz		125W	DDR4-2933
Intel® Xeon® Processor Gold 5218	Cascadelake SP	QRA9	B0	22MB	10.4 GT/s	16	2.3 GHz		125W	DDR4-2666
Intel® Xeon® Processor Platinum 8260Y	Cascadelake SP	QRC1	B0	33MB	10.4 GT/s	24	2.3 GHz		165W	DDR4-2933
Intel® Xeon® Processor Platinum 8260	Cascadelake SP	QRC3	B0	33MB	10.4 GT/s	24	2.3 GHz		165W	DDR4-2933
Intel® Xeon® Processor Gold 5220	Cascadelake SP	QRGH	L0	24.75MB	10.4 GT/s	18	2.2 GHz		125W	DDR4-2666
Intel® Xeon® Processor Gold 5218N	Cascadelake SP	QRGD	L0	22MB	10.4 GT/s	16	2.3 GHz		105W	DDR4-2666
Intel® Xeon® Processor Gold 5218B	Cascadelake SP	QRGE	L0	22MB	10.4 GT/s	16	2.3 GHz		125W	DDR4-2666
Intel® Xeon® Processor Gold 5217	Cascadelake SP	QRGC	L0	11MB	10.4 GT/s	8	3.0 GHz		115W	DDR4-2666
Intel® Xeon® Processor Gold 5215L	Cascadelake SP	QRGB	L0	13.75MB	10.4 GT/s	10	2.5 GHz		85W	DDR4-2666
Intel® Xeon® Processor Gold 5215M	Cascadelake SP	QRGA	L0	13.75MB	10.4 GT/s	10	2.5 GHz		85W	DDR4-2666
Intel® Xeon® Processor Gold 5215	Cascadelake SP	QRG9	L0	13.75MB	10.4 GT/s	10	2.5 GHz		85W	DDR4-2666
Intel® Xeon® Processor Silver 4216	Cascadelake SP	QRG8	L0	22MB	9.6 GT/s	16	2.1 GHz		100W	DDR4-2133
Intel® Xeon® Processor Silver 4215	Cascadelake SP	QRG7	L0	11MB	9.6 GT/s	8	2.5 GHz		85W	DDR4-2133
Intel® Xeon® Processor Silver 4214Y	Cascadelake SP	QRHY	L0	16.5MB	9.6 GT/s	12	2.2 GHz		85W	DDR4-2133
Intel® Xeon® Processor Silver 4214	Cascadelake SP	QRG6	L0	16.5MB	9.6 GT/s	12	2.2 GHz		85W	DDR4-2133
Intel® Xeon® Processor Silver 4210	Cascadelake SP	QRJF	R0	13.75MB	9.6 GT/s	10	2.2 GHz		85W	DDR4-2133
Intel® Xeon® Processor Silver 4209T	Cascadelake SP	QRJM	R0	11MB	9.6 GT/s	8	2.2 GHz		70W	DDR4-2133
Intel® Xeon® Processor Silver 4208	Cascadelake SP	QRJG	R0	11MB	9.6 GT/s	8	2.1 GHz		85W	DDR4-2133
Intel® Xeon® Processor Gold 6252N	Cascadelake SP	QS1W	B1	35.75MB	10.4 GT/s	24	2.3 GHz		150W	DDR4-2933
Intel® Xeon® Processor Gold 5218T	Cascadelake SP	QS1T	B1	22MB	10.4 GT/s	16	2.1 GHz		105W	DDR4-2666
Intel® Xeon® Processor Gold 6240M	Cascadelake SP	QS25	B1	24.75MB	10.4 GT/s	18	2.6 GHz		150W	DDR4-2933
Intel® Xeon® Processor Gold 5220S	Cascadelake SP	QS1Z	B1	24.75MB	10.4 GT/s	18	2.7 GHz		125W	DDR4-2666
Intel® Xeon® Processor Gold 6222V	Cascadelake SP	QS2C	B1	27.5 MB	10.4 GT/s	20	1.8 GHz		115W	DDR4-2400
Intel® Xeon® Processor Gold 6238M	Cascadelake SP	QS27	B1	30.25MB	10.4 GT/s	22	2.1 GHz		140W	DDR4-2933
Intel® Xeon® Processor Gold 6262V	Cascadelake SP	QS2B	B1	33MB	10.4 GT/s	24	1.9 GHz		135W	DDR4-2933
Intel® Xeon® Processor Gold 6234	Cascadelake SP	QS1U	B1	24.75MB	10.4 GT/s	8	3.3 GHz		130W	DDR4-2933
Intel® Xeon® Processor Gold 6226	Cascadelake SP	QS1V	B1	19.25MB	10.4 GT/s	12	2.7 GHz		125W	DDR4-2933
Intel® Xeon® Processor Gold 6230N	Cascadelake SP	QS1X	B1	27.5MB	10.4 GT/s	20	2.3 GHz		125W	DDR4-2933
Intel® Xeon® Processor Gold 5220T	Cascadelake SP	QS1R	B1	24.75MB	10.4 GT/s	18	1.9 GHz		105W	DDR4-2666
Intel® Xeon® Processor Gold 6246	Cascadelake SP	QS1Q	B1	24.75MB	10.4 GT/s	8	3.3 GHz		165W	DDR4-2933
Intel® Xeon® Processor Gold 6238	Cascadelake SP	QS1S	B1	30.25MB	10.4 GT/s	22	2.1 GHz		140W	DDR4-2933
Intel® Xeon® Processor Gold 6230T	Cascadelake SP	QS1Y	B1	27.5MB	10.4 GT/s	20	2.1 GHz		125W	DDR4-2933
Intel® Xeon® Processor Gold 6240L	Cascadelake SP	QS26	B1	24.75MB	10.4 GT/s	18	2.6 GHz		150W	DDR4-2933
Intel® Xeon® Processor Gold 6238L	Cascadelake SP	QS28	B1	30.25MB	10.4 GT/s	22	2.1 GHz		140W	DDR4-2933
Cascadelake refresh - Intel® Xeon® Processor Scalable Family										
Intel® Xeon® Processor Gold 6258R	Cascadelake refresh	SRGZF	B1	38.50MB	10.4 GT/s	28	2.7GHz		205W	DDR4-2666
Intel® Xeon® Processor Gold 6248R	Cascadelake refresh	SRGZG	B1	35.75MB	10.4 GT/s	24	3.0 GHz		205W	DDR4-2666
Intel® Xeon® Processor Gold 6246R	Cascadelake refresh	SRGZL	B1	35.75MB	10.4 GT/s	16	3.4 GHz		205W	DDR4-2666
Intel® Xeon® Processor Gold 6242R	Cascadelake refresh	SRGZJ	B1	35.75MB	10.4 GT/s	20	3.1 GHz		205W	DDR4-2666
Intel® Xeon® Processor Gold 6240R	Cascadelake refresh	SRGZ8	B1	35.75MB	10.4 GT/s	24	2.4 GHz		165W	DDR4-2666
Intel® Xeon® Processor Gold 6238R	Cascadelake refresh	SRGZ9	B1	38.50MB	10.4 GT/s	28	2.2 GHz		165W	DDR4-2666

Intel® Xeon® Processor Gold 6230R	Cascadelake refresh	SRGZA	B1	35.75MB	10.4 GT/s	26	2.1GHz	150W	DDR4-2666
Intel® Xeon® Processor Gold 6226R	Cascadelake refresh	SRGZC	B1	22MB	10.4 GT/s	16	2.9 GHz	150W	DDR4-2666
Intel® Xeon® Processor Silver 4215R	Cascadelake refresh	SRGZE	B1	11MB	10.4 GT/s	8	3.2 GHz	130W	DDR4-2666
Intel® Xeon® Processor Gold 5220R	Cascadelake refresh	SRGZP	B1	35.75MB	10.4 GT/s	24	2.2 GHz	150W	DDR4-2666
Intel® Xeon® Processor Gold 5218R	Cascadelake refresh	SRGZ7	B1	27.50MB	10.4GT/s	20	2.1GHz	125W	DDR4-2666
Intel® Xeon® Processor Silver 4214R	Cascadelake refresh	QSKT	L1	16.5MB	9.6 GT/s	12	2.4 GHz	100W	DDR4-2400
Intel® Xeon® Processor Silver 4210R	Cascadelake refresh	QSL1	R1	13.75MB	9.6 GT/s	10	2.4 GHz	100W	DDR4-2400
Intel® Xeon® Processor Bronze 3206R	Cascadelake refresh	QSL2	R1	11MB	9.6 GT/s	8	1.9 GHz	85W	DDR4-2133

Montage Jintide® Processor Scalable Family

Montage Jintide® C24601	Jintide	SREUN	H0	33MB	10.4 GT/s	24	2.1 GHz	3.7 GHz	150W	DDR4
Montage Jintide® C10201	Jintide	SREUK	H0	13.75MB	9.6 GT/s	10	2.2 GHz	3.0 GHz	85W	DDR4
Montage Jintide® C08101	Jintide	SREUL	H0	11MB	9.6 GT/s	8	2.1 GHz	3.0 GHz	85W	DDR4
Montage Jintide® C16401	Jintide	SREUM	H0	22MB	10.4 GT/s	16	2.1 GHz	3.7 GHz	125W	DDR4
Montage Jintide® C12301	Jintide	SREUH	H0	16.5MB	10.4 GT/s	12	2.3 GHz	3.2 GHz	105W	DDR4
Montage Jintide® C14501	Jintide	SREUJ	H0	19.25MB	10.4 GT/s	14	2.2 GHz	3.2 GHz	105W	DDR4

Memory

Product Name	Memory Type	Module Supplier	Size	Chip Brand	Rank	Voltage	Data Transfer Rate	Error Correction	CAS Latency	Pins
RDIMM										
M393A8G40MB2-CTD7Q	DDR4	Samsung	64GB	Samsung-IDT	2Rx4	1.2v	2666MHz	ECC Registered	19	288-pin
M4R0-BG53GCSJ	DDR4	INNODISK	32GB	Samsung	2R X4	1.2v	2400MHz	ECC Registered	17	288-pin
M393A2K43BB1-CTD6Q	DDR4	Samsung	16GB	Samsung	2R X8	1.2V	2666MHz	ECC Registered	19	288-pin
M393A2K40CB2-CTD6Q	DDR4	Samsung	16GB	Samsung-Montage	1Rx4	1.2v	2666MHz	ECC Registered	19	288-pin
M393A2K40BB2-CTD	DDR4	Samsung	16GB	Samsung	1Rx4	1.2v	2666MHz	ECC Registered	19	288-pin
M393A4K40BB2-CTD	DDR4	Samsung	32GB	Samsung	2Rx4	1.2v	2666MHz	ECC Registered	19	288-pin
M393A8K40B22-CWD6Q	DDR4	Samsung	64GB	Samsung	2S2Rx4	1.2v	2666MHz	ECC Registered	17	288-pin
M393A4K40CB2-CTD7Q	DDR4	Samsung	32GB	Samsung-IDT	2Rx4	1.2v	2666MHz	ECC Registered	19	288-pin
MTA9ASF1G72PZ-2G6D1QI	DDR4	Micron	8GB	Micron	1Rx8	1.2v	2666MHz	ECC Registered	19	288-pin
CT16G4RFD8266-2G6E1.001	DDR4	CRUCIAL	16GB	Micron-Montage	2Rx8	1.2v	2666MHz	ECC Registered	19	288-pin
MTA18ASF2G72PDZ-2G6E1SG	DDR4	Micron	16GB	Micron-Montage	2Rx8	1.2v	2666MHz	ECC Registered	19	288-pin
MTA18ASF2G72PDZ-2G6E1QG	DDR4	Micron	16GB	Micron-Montage	2Rx8	1.2v	2666MHz	ECC Registered	19	288-pin
CT16G4RFD8266.18FD1	DDR4	CRUCIAL	16GB	Micron	2Rx8	1.2v	2666MHz	ECC Registered	19	288-pin
CT16G4RFD8266.2G6D1	DDR4	CRUCIAL	16GB	Micron	2Rx8	1.2v	2666MHz	ECC Registered	19	288-pin
MTA18ASF2G72PDZ-2G6D1	DDR4	Micron	16GB	Micron	2Rx8	1.2v	2666MHz	ECC Registered	19	288-pin
CT32G4RFD4266.36FD1	DDR4	CRUCIAL	32GB	Micron	2Rx4	1.2v	2666MHz	ECC Registered	19	288-pin
CT32G4RFD4266-2G6D1.001	DDR4	Crucial	32GB	Micron	2Rx4	1.2v	2666MHz	ECC Registered	19	288-pin
CT32G4RFD4266-2G6D1	DDR4	CRUCIAL	32GB	Micron	2Rx4	1.2v	2666MHz	ECC Registered	19	288-pin
MTA36ASF4G72PZ.2G6D1	DDR4	Micron	32GB	Micron	2Rx4	1.2v	2666MHz	ECC Registered	19	288-pin
CT32G4RFD4266-2G6D1	DDR4	CRUCIAL	32GB	Micron	2Rx4	1.2v	2666MHz	ECC Registered	19	288-pin
CT32G4RFD4266.2G6H1.001	DDR4	CRUCIAL	32GB	Micron	2Rx4	1.2v	2666MHz	ECC Registered	19	288-pin
CT16G4RFD4266-2G6E1.001	DDR4	Crucial	16GB	Micron	2Rx4	1.2V	2666MHz	ECC Registered	19	288-pin
MTA36ASF2G72PZ-2G6E1	DDR4	Micron	16GB	Micron	2Rx4	1.2V	2666MHz	ECC Registered	19	288-pin
CT16G4RFD8266.18FE1	DDR4	Crucial	16GB	Micron	2Rx8	1.2v	2666MHz	ECC Registered	19	288-pin
CT8G4RFS8266.9FD1	DDR4	Crucial	8GB	Micron	1Rx8	1.2v	2666MHz	ECC Registered	19	288-pin
HMA82GR7AFR4N-VKT3	DDR4	Skhynix	16GB	Skhynix-Montage	1Rx4	1.2v	2666MHz	ECC Registered	19	288-pin
HMA82GR7AFR8N-VKT3	DDR4	Skhynix	16GB	Skhynix-Montage	2Rx8	1.2v	2666MHz	ECC Registered	19	288-pin
HMA82GR7AFR8N-VKTF	DDR4	Skhynix	16GB	Skhynix-IDT	2Rx8	1.2v	2666MHz	ECC Registered	19	288-pin
HMA84GR7AFR4N-VKT3	DDR4	Skhynix	32GB	Skhynix-Montage	2Rx4	1.2v	2666MHz	ECC Registered	19	288-pin
HMA8GR7A2R4N-VNT3	DDR4	Skhynix	64GB	Skhynix	2S2Rx4	1.2v	2666MHz	ECC Registered	19	288-pin
KSM26RD4-32HAI	DDR4	Kingston	32GB	Skhynix-IDT	2Rx4	1.2v	2666MHz	ECC Registered	19	288-pin
KSM26RS4-16HAI	DDR4	Kingston	16GB	Skhynix-IDT	1Rx4	1.2v	2666MHz	ECC Registered	19	288-pin
KSM26RS8-8HAI	DDR4	Kingston	8GB	Skhynix-IDT	1Rx8	1.2v	2666MHz	ECC Registered	19	288-pin
M393A2K40CB2-CTD6Q	DDR4	Samsung	16GB	Samsung-Montage	1Rx4	1.2v	2666MHz	ECC Registered	19	288-pin
CT32G4RFD4266.2G6E1.001	DDR4	CRUCIAL	32GB	Micron	2Rx4	1.2v	2666MHz	ECC Registered	19	288-pin
CT32G4RFD4266.36FE1	DDR4	CRUCIAL	32GB	Micron	2Rx4	1.2v	2666MHz	ECC Registered	19	288-pin
MTA36ASF4G72PZ-2G6E1	DDR4	Micron	32GB	Micron	2Rx4	1.2V	2666MHz	ECC Registered	19	288-pin
CT8G4RFD8266.18FE1	DDR4	Crucial	8GB	Micron	2R X8	1.2v	2666MHz	ECC Registered	19	288-pin

CT8G4RFD8266-2G6E1	DDR4	Crucial	8GB	Micron	2Rx8	1.2v	2666MHz	ECC Registered	19	288-pin
MTA18ASF1G72PDZ-2G6E1RG	DDR4	Micron	8GB	Micron	2Rx8	1.2v	2666MHz	ECC Registered	19	288-pin
HMA82GR7AFR4N-VKTF	DDR4	SKhynix	16GB	SKhynix-IDT	1Rx4	1.2v	2666MHz	ECC Registered	19	288-pin
CT16G4RFD8266-2G6H1.001	DDR4	CRUCIAL	16GB	Micron	2Rx8	1.2v	2666MHz	ECC Registered	19	288-pin
MTA18ASF2G72PDZ-2G6H1QG	DDR4	Micron	16GB	Micron	2Rx8	1.2v	2666MHz	ECC Registered	19	288-pin
CT16G4RFS4266-18FD1	DDR4	CRUCIAL	16GB	Micron	1Rx4	1.2v	2666MHz	ECC Registered	19	288-pin
MTA18ASF2G72PZ-2G6D1QI	DDR4	Micron	16GB	Micron	1Rx4	1.2v	2666MHz	ECC Registered	19	288-pin
CT32G4RFD4266-2G6H1.001	DDR4	Crucial	32GB	Micron	2Rx4	1.2v	2666MHz	ECC Registered	19	288-pin
MTA36ASF4G72PZ-2G6H1QG	DDR4	Micron	32GB	Micron	2Rx4	1.2v	2666MHz	ECC Registered	19	288-pin
M393A2K40CB2-CVFBQ	DDR4	Samsung	16GB	Samsung-IDT	1Rx4	1.2v	2933MHz	ECC Registered	21	288-pin
M393A2K43CB2-CVFBQ	DDR4	Samsung	16GB	Samsung-IDT	2Rx8	1.2v	2933MHz	ECC Registered	21	288-pin
M393A4K40CB2-CVFBQ	DDR4	Samsung	32GB	Samsung-IDT	2Rx4	1.2v	2933MHz	ECC Registered	21	288-pin
CT8G4RFS8293-9FE1	DDR4	CRUCIAL	8GB	Micron	1Rx8	1.2v	2933MHz	ECC Registered	21	288-pin
CT8G4RFS8293-2G9E1.001	DDR4	CRUCIAL	8GB	Micron	1Rx8	1.2v	2933MHz	ECC Registered	21	288-pin
MTA9ASF1G72PZ-2G9E1VG	DDR4	Micron	8GB	Micron-IDT	1Rx8	1.2v	2933MHz	ECC Registered	21	288-pin
MTA9ASF1G72PZ-2G9E1UG	DDR4	Micron	8GB	Micron-Rambus	1Rx8	1.2v	2933MHz	ECC Registered	21	288-pin
MTA9ASF1G72PZ-2G9E1TI	DDR4	Micron	8GB	Micron-Montage	1Rx8	1.2v	2933MHz	ECC Registered	21	288-pin
CT16G4RFD8293-18FE1	DDR4	CRUCIAL	16GB	Micron	2Rx8	1.2v	2933MHz	ECC Registered	21	288-pin
CT16G4RFD8293-2G9E1.001	DDR4	CRUCIAL	16GB	Micron	2Rx8	1.2v	2933MHz	ECC Registered	21	288-pin
MTA18ASF2G72PDZ-2G9E1UG	DDR4	Micron	16GB	Micron-Rambus	2Rx8	1.2v	2933MHz	ECC Registered	21	288-pin
MTA18ASF2G72PDZ-2G9E1VG	DDR4	Micron	16GB	Micron-IDT	2Rx8	1.2v	2933MHz	ECC Registered	21	288-pin
CT16G4RFS4293-18FE1	DDR4	CRUCIAL	16GB	Micron	1Rx4	1.2v	2933MHz	ECC Registered	21	288-pin
CT16G4RFS4293-2G9E1.001	DDR4	CRUCIAL	16GB	Micron	1Rx4	1.2v	2933MHz	ECC Registered	21	288-pin
MTA18ASF2G72PZ-2G9E1TK	DDR4	Micron	16GB	Micron-Montage	1Rx4	1.2v	2933MHz	ECC Registered	21	288-pin
MTA18ASF2G72PZ-2G9E1VG	DDR4	Micron	16GB	Micron-IDT	1Rx4	1.2v	2933MHz	ECC Registered	21	288-pin
CT32G4RFD4293-2G9E2.001	DDR4	CRUCIAL	32GB	Micron	2Rx4	1.2v	2933MHz	ECC Registered	21	288-pin
CT32G4RFD4293-36FE2	DDR4	CRUCIAL	32GB	Micron	2Rx4	1.2v	2933MHz	ECC Registered	21	288-pin
MTA36ASF4G72PZ-2G9E2TG	DDR4	Micron	32GB	Micron-Montage	2Rx4	1.2v	2933MHz	ECC Registered	21	288-pin
MTA36ASF4G72PZ-2G9E2VG	DDR4	Micron	32GB	Micron-IDT	2Rx4	1.2v	2933MHz	ECC Registered	21	288-pin
MTA36ASF4G72PZ-2G9E2JG	DDR4	Micron	32GB	Micron-Rambus	2Rx4	1.2v	2933MHz	ECC Registered	21	288-pin
HMA81GR7CJR8N-WM TG	DDR4	SKhynix	8GB	SKhynix-IDT	1Rx8	1.2v	2933MHz	ECC Registered	21	288-pin
HMA82GR7CJR8N-WM T4	DDR4	SKhynix	16GB	SKhynix-Montage	2Rx8	1.2v	2933MHz	ECC Registered	21	288-pin
HMA84GR7CJR4N-WM TG	DDR4	SKhynix	32GB	SKhynix-IDT	2Rx4	1.2v	2933MHz	ECC Registered	21	288-pin
KSM29RD8-16MEI	DDR4	Kingston	16GB	Micron-IDT	2Rx8	1.2v	2933MHz	ECC Registered	21	288-pin
KSM29RD4-32MEI	DDR4	Kingston	32GB	Micron-IDT	2Rx4	1.2v	2933MHz	ECC Registered	21	288-pin
NT16GA72D8PBX3P-IX	DDR4	Nanya	16GB	Nanya-IDT	2Rx8	1.2v	2933MHz	ECC Registered	21	288-pin
NT32GA72D4NBX3P-IX	DDR4	Nanya	32GB	Nanya-Montage or IDT	2Rx4	1.2v	2933MHz	ECC Registered	21	288-pin
M393A8G40MB2-CVFBY	DDR4	Samsung	64GB	Samsung-IDT	2Rx4	1.2v	2933MHz	ECC Registered	21	288-pin
HMAA8GR7MJR4N-WM T4	DDR4	SKhynix	64GB	SKhynix-Montage	2Rx4	1.2v	2933MHz	ECC Registered	21	288-pin
CT64G4RFD4293-2G9B1.001	DDR4	CRUCIAL	64GB	Micron-IDT	2Rx4	1.2v	2933MHz	ECC Registered	21	288-pin
MTA36ASF8G72PZ-2G9B1V1	DDR4	Micron	64GB	Micron-IDT	2Rx4	1.2v	2933MHz	ECC Registered	21	288-pin
CT64G4RFD4293-2G9B2.001	DDR4	Crucial	64GB	Micron-IDT	2Rx4	1.2v	2933MHz	ECC Registered	21	288-pin
MTA36ASF8G72PZ-2G9B2V1	DDR4	Crucial	64GB	Micron-IDT	2Rx4	1.2v	2933MHz	ECC Registered	21	288-pin
LRDIMM										
M386A8K40CM2-CVFBY	DDR4	Samsung	64GB	Samsung-IDT	4DRx4	1.2v	2933MHz	ECC Registered	21	288-pin
HMAA8GL7AMR4N-VKTF	DDR4	SKhynix	64GB	SKhynix	4DRx4	1.2v	2666MHz	ECC Registered	17	288-pin
CT32G4LFD424A-2G3B1	DDR4	CRUCIAL	32GB	Micron	2Rx4	1.2v	2400MHz	ECC Registered	17	288-pin
M386A8K40BM2-CTD7Q	DDR4	Samsung	64GB	Samsung	4DRx4	1.2v	2666MHz	ECC Registered	17	288-pin
Apache Pass DIMM										
Product Name	Memory Type	Module Supplier	Size	TDP	Pins	Note				
NMA1XBD128G2SE 3DXP PAK 1	Apache Pass	Intel	128GB	15W	288-pin					
NMA1XBD256GQS QUXD	Apache Pass	Intel	256GB	18W	288-pin					
NMA1XBD512GQSE 3DXP PAK	Apache Pass	Intel	512GB	18W	288-pin					
Seagate HDD (SAS HDD may need RAID Card support)										
Seagate Enterprise Capacity 2.5 HDD										
ST1000NX0303	SATA	Seagate	2.5"	4Kn	1TB	6Gb/s	EXOS 7E2000	128MB	7200	N/A
ST2000NX0243	SATA	Seagate	2.5"	4Kn	2TB	6Gb/s	Exos 7E2000 (Enterprise Capacity V.3)	128MB	7200	N/A
ST2000NX0403	SATA	Seagate	2.5"	512n	2TB	6Gb/s	Exos 7E2000 (Enterprise Capacity V.3)	128MB	7200	N/A
Seagate Enterprise Capacity 3.5 HDD										
ST1000NM0146	SATA	Seagate	3.5"	4Kn	10TB	6Gb/s	Exos X10 (Enterprise Capacity V.6)	256MB	7200	N/A
ST12000NM0007	SATA	Seagate	3.5"	512e	12TB	6Gb/s	Exos X12 (Enterprise Capacity V.7)	256MB	7200	N/A

ST8000NM000A	SATA	Seagate	3.5"	512e	8TB	6Gb/s	EXOS 7E8	256MB	7200	N/A
ST14000NM0018	SATA	Seagate	3.5"	512e	14TB	6Gb/s	Exos X14 (Enterprise Capacity)	256MB	7200	N/A
<b>HGST HDD (SAS HDD may need RAID Card support)</b>										
Product Name	Type	Vendor	Form Factor	Format	Capacity	Interface Speed	Series	Cache	RPM	Encryption
Enterprise Hard Drives										
HUH721212ALE604(10pcs)	SATA	HGST / WD	3.5"	512e	12TB	6Gb/s	Ultrastar He12	256MB	7200	N/A
HUS722T2TALAE604 / 1W10002	SATA	HGST / WD	3.5"	512n	2TB	6Gb/s	Ultrastar DC HA210 (7K2)	128MB	7200	N/A
HUS726T6TALAE6L4	SATA	HGST / WD	3.5"	512e	6TB	6Gb/s	Ultrastar DC HC310 (7K6)	256MB	7200	N/A
HUS726T4TALAE6L4	SATA	HGST / WD	3.5"	512e	4TB	6Gb/s	Ultrastar DC HC310 (7K6)	256MB	7200	N/A
HUS728T8TALAE6L4	SATA	HGST / WD	3.5"	512e	8TB	6Gb/s	Ultrastar® DC HC320 (7K8)	256MB	7200	Secure Erase
<b>Toshiba HDD (SAS HDD may need RAID Card support)</b>										
Product Name	Type	Vendor	Form Factor	Format	Capacity	Interface Speed	Series	Cache	RPM	Encryption
Enterprise Hard Drives										
MG06ACA10TE	SATA	Toshiba	3.5"	512e	10TB	6Gb/s	Capacity	256MB	7200	N/A
MG04ACA100N	SATA	Toshiba	3.5"	512e	1TB	6Gb/s	Capacity	128MB	7200	N/A
MG05ACA800E	SATA	Toshiba	3.5"	512e	8TB	6Gb/s	Capacity	128MB	7200	N/A
MG05ACA800A	SATA	Toshiba	3.5"	4Kn	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										
SSDSC2KB960G701 (Series DC S4500)	SSD	Intel	2.5"	SATA	960GB	6Gb/s				
SSDSC2KG019T701 (Series DC S4600)	SSD	Intel	2.5"	SATA	1.92TB	6Gb/s				
MZ7KM1T9HJMJP-0005 (SM863a)	SSD	Samsung	2.5"	SATA	1.92TB	6Gb/s				
Micron 5100 MTFDDAK960TBY-1AR1ZABYY	SSD	Micron	2.5"	SATA	960GB	6Gb/s				
MZ-7LH1T9NE 8B3 DCT Series	SSD	Samsung	2.5"	SATA	1.92TB	6Gb/s				
SRE100-960G00210000	SSD	Phison	2.5"	SATA	960GB	6Gb/s				
SRE100-480G00210000	SSD	Phison	2.5"	SATA	480GB	6Gb/s				
XA960LE10063	SSD	Seagate	2.5"	SATA	960GB	6Gb/s				
XA480LE10063	SSD	Seagate	2.5"	SATA	480GB	6Gb/s				
<b>PCIe SSD</b>										
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	-				
Samsung PM1725a MZPLL1T6HEHP PCIe Gen3 x8 1.6TB	PCIe	Samsung	PCI-E 3.0	PCIe(NVMe)	1.6TB	-				
Techman XC100C5C-1600 1600GB	PCIe	Techman	PCI-E 3.0	PCIe(NVMe)	1.6TB	-				
<b>GPGPU Card (GPGPU server only)</b>										
Product Name	Processor Cores	Memory Bandwidth (GB/sec)	VRAM	OpenGL	Microsoft DirectX	Graphics Card Power (W)	NVIDIA SLI / AMD CrossFire Ready	Note		
NVIDIA Tesla ( <a href="http://www.NVIDIA.com/object/tesla-supercomputing-solutions.html">http://www.NVIDIA.com/object/tesla-supercomputing-solutions.html</a> )										
P40 (Pascal)	3940	346 GB/s	24GB	-	-	250 W	-	(Maximum support 8 pcs GPGPU )		
P4 (Pascal)	2560	192 GB/s	8GB	-	-	50/70 W	-	(Maximum support 8 pcs GPGPU )		
V100 (VOLTA)	5120	900 GB/s	16GB	-	-	250 W	-	(Maximum support 8 pcs GPGPU )		
<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										
CRA4448	LSI SAS 3108	PCIe- x8 Gen3 x8 bus	8	2 x internal Mini-SAS HD SFF8643	-	-	12Gb/s ports			
CRA4548	LSI SAS 3108	PCIe- x8 Gen3 x8 bus	8	1 x internal Mini-SAS HD SFF8643	4	1 x external Mini-SAS HD SFF8644	12Gb/s ports			
CRA3338	LSI SAS 3008	PCIe- x8 Gen3 x8 bus	8	2 x Mini-SAS HD for 8x SAS	-	-	12Gb/s ports			
CSA3548	LSI SAS 3008	PCIe- x8 Gen3 x8 bus	-	-	8	2 x external Mini-SAS HD SFF8644	12Gb/s ports			
LSI RAID Controller Cards										
MegaRAID SAS 9380-8e	LSISAS3108 dual core RAID on Chip (ROC)	x8 lane PCI Express® 3.0	-	-	8	2 x Mini-SAS HD SFF8644	Up to 12Gb/s per port			
PMC RAID Cards (Adaptec)										
Adaptec ASR-8885Q	-	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				
GIGABYTE LAN Cards										
CLN4121	RJ-45	PCIe x4 Gen3 x4	single	single	10Gb/s per port	INTEL X550-AT				
CLN4222	RJ-45	PCIe x4 Gen3 x4	Dual	Dual	10Gb/s per port	INTEL X550-AT2				
CLN4751	OSFP+	PCIe x8 Gen3 x8	Single	Single	40Gb/s per port	INTEL XL710				
CLN4752	OSFP+	PCIe x8 Gen3 x8	Dual	Dual	40Gb/s per port	INTEL XL710				
CLN4931	SFP+	PCIe x8 Gen2 x8	Single	Single	10Gb/s per port	INTEL 82599EN				
CLN4832	SFP+	PCIe x8 Gen2 x8	Dual	Dual	10Gb/s per port	INTEL 82599ES				
CLN4312	RJ-45	PCIe x4 Gen2 x4	Dual	Dual	1Gb/s per port	INTEL i350-AM2				
CLN4314	RJ-45	PCIe x4 Gen2 x4	Quad	Quad	1Gb/s per port	INTEL i350-AM4				
GC-MLBZ1	SFP+	PCIe x8 Gen2 x8	Dual	Dual	10Gb/s per port	Broadcom BCM57810S				
GC-MNXE21	SFP+	PCIe x8 Gen3 x8	Dual	Dual	10Gb/s per port	Mellanox ConnectX-3				

Intel_10GbE							
Intel® Ethernet Converged Network Adapter X550-T2	RJ-45	PCIe v3.0 (8.0 GT/s)	Dual	10Gb/s per port			
Intel® Ethernet Converged Network Adapter X710-DA4	SFP+	PCIe v3.0 (8.0 GT/s)	Quad	10Gb/s per port			
Mellanox ConnectX							
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	
Qlogic LAN Adapters							
QLB3442-RJ-CK	RJ-45	PCIe x8 Gen3 x8	Dual	10Gb/s per port			
QL41112HLLRJ	RJ-45	PCIe x8 Gen3 x8	Dual	10Gb/s per port			
GPGPU Card							
Product Name	Processor Cores	Memory Bandwidth (GB/sec)	OpenGL	Microsoft DirectX	Graphics Card Power (W)	NVIDIA SLI / AMD CrossFire Ready	Note
NVIDIA Tesla ( <a href="http://www.NVIDIA.com/object/tesla-supercomputing-solutions.html">http://www.NVIDIA.com/object/tesla-supercomputing-solutions.html</a> )							
P40 (Pascal)	3840	346 GB/s	24GB	-	250 W	-	(Maximum support 8 pcs GPGPU )
P4 (Pascal)	2560	192 GB/s	8GB	-	50/70 W	-	(Maximum support 8 pcs GPGPU )
V100 (VOLTA) 16GB	5120	900 GB/s	16GB	-	250 W	-	(Maximum support 8 pcs GPGPU )
T4 (TURING)	2560	320 GB/s	16GB	-	70 W	-	(Maximum support 8 pcs GPGPU )
USB Device							
Product Name	Type	Vendor	Capacity	Note			
USB 3.0							
PURE CLASSIC X176B1FWBO75	HDD	Gigabyte	500G				
GoFlex STAA500305	HDD	Seagate	500G				
TOSHIBA CANVIO BASIC	HDD	Toshiba	500G				
NA317U-	Device	Ineo					
SST-TS13	Device	Silver Stone					
S1-DS3-Plus	Device	CyberSLIM					
MB981U3-1S	Device	ICYDOCK					
SB310-SB3(6G)	Device	STARDOM					