

"G291-281" 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 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 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 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	QMQC	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	Q MS8	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	QMO9	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	QNG3	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	QNF3	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	QMR7	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	Q MS9	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	QMPX	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	Q MHS	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	QMRY	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 5118	SKYLAKE-S	QMHX	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 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 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 4114	SKYLAKE-S	QNOB	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	QNOE	U0	8.25 MB L3	9.6 GT/s	4	2.60 GHz	3.00 GHz	85 W	DDR4-2400	
Intel® Xeon® Processor Silver 4110	SKYLAKE-S	QNO9	U0	11 MB L3	9.6 GT/s	8	2.10 GHz	3.00 GHz	85 W	DDR4-2400	
Intel® Xeon® Processor Silver 4109T	SKYLAKE-S	QNOF	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	QNOA	U0	11 MB L3	9.6 GT/s	8	1.80 GHz	3.00 GHz	85 W	DDR4-2400	
Intel® Xeon® Processor Bronze 3106	SKYLAKE-S	QNOC	U0	11 MB L3	9.6 GT/s	8	1.70 GHz	None	85 W	DDR4-2133	
Intel® Xeon® Processor Bronze 3104	SKYLAKE-S	QNO0	U0	8.25 MB L3	9.6 GT/s	6	1.70 GHz	None	85 W	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	4.00 GHz	205W	DDR4-2933	
Intel® Xeon® Processor Platinum 8280L	CascadeLake SP	QRL1	B0	38.5MB	10.4 GT/s	28	2.6 GHz	4.00 GHz	205W	DDR4-2933	
Intel® Xeon® Processor Platinum 8280	CascadeLake SP	QRKZ	B0	38.5MB	10.4 GT/s	28	2.6 GHz	4.00 GHz	205W	DDR4-2933	
Intel® Xeon® Processor Platinum 8276M	CascadeLake SP	QRAW	B0	38.5MB	10.4 GT/s	28	2.2 GHz	4.00 GHz	165W	DDR4-2933	
Intel® Xeon® Processor Platinum 8276L	CascadeLake SP	QRAV	B0	38.5MB	10.4 GT/s	28	2.2 GHz	4.00 GHz	165W	DDR4-2933	
Intel® Xeon® Processor Platinum 8270	CascadeLake SP	QRAU	B0	35.75MB	10.4 GT/s	26	2.7 GHz	4.00 GHz	205W	DDR4-2933	

Intel® Xeon® Processor Platinum 8268	CascadeLake SP	QRAT	B0	33MB	10.4 GT/s	24	2.9 GHz	3.90 GHz	205W	DDR4-2933
Intel® Xeon® Processor Platinum 8260M	CascadeLake SP	QRCA	B0	33MB	10.4 GT/s	24	2.3 GHz	3.90 GHz	165W	DDR4-2933
Intel® Xeon® Processor Platinum 8260L	CascadeLake SP	QRCC	B0	33MB	10.4 GT/s	24	2.3 GHz	3.90 GHz	165W	DDR4-2933
Intel® Xeon® Processor Platinum 8256	CascadeLake SP	QRAP	B0	16.5MB	10.4 GT/s	4	3.8 GHz	3.90 GHz	105W	DDR4-2933
Intel® Xeon® Processor Platinum 8253	CascadeLake SP	QRAN	B0	22MB	10.4 GT/s	16	2.2 GHz	3.00 GHz	125W	DDR4-2933
Intel® Xeon® Processor Gold 6256	CascadeLake SP	QTBO	B1	33MB	10.4 GT/s	12	3.6 GHz	4.50 GHz	205W	DDR4-2933
Intel® Xeon® Processor Gold 6254	CascadeLake SP	QRAM	B0	24.75MB	10.4 GT/s	18	3.1 GHz	4.00 GHz	200W	DDR4-2933
Intel® Xeon® Processor Gold 6252	CascadeLake SP	QRAL	B0	33MB	10.4 GT/s	24	2.1 GHz	3.70 GHz	150W	DDR4-2933
Intel® Xeon® Processor Gold 6248	CascadeLake SP	QRAK	B0	27.5MB	10.4 GT/s	20	2.5 GHz	3.90 GHz	150W	DDR4-2933
Intel® Xeon® Processor Gold 6244	CascadeLake SP	QRAJ	B0	24.75MB	10.4 GT/s	8	3.6 GHz	4.40 GHz	150W	DDR4-2933
Intel® Xeon® Processor Gold 6242	CascadeLake SP	QRAH	B0	22MB	10.4 GT/s	16	2.8 GHz	3.90 GHz	150W	DDR4-2933
Intel® Xeon® Processor Gold 6240Y	CascadeLake SP	QRBX	B0	24.75MB	10.4 GT/s	18	2.6 GHz	3.90 GHz	150W	DDR4-2933
Intel® Xeon® Processor Gold 6240	CascadeLake SP	QRAG	B0	24.75MB	10.4 GT/s	18	2.6 GHz	3.90 GHz	150W	DDR4-2933
Intel® Xeon® Processor Gold 6238T	CascadeLake SP	QRBW	B0	30.25MB	10.4 GT/s	22	1.9 GHz	3.70 GHz	125W	DDR4-2933
Intel® Xeon® Processor Gold 6230	CascadeLake SP	QRAD	B0	27.5MB	10.4 GT/s	20	2.1 GHz	3.90 GHz	125W	DDR4-2933
Intel® Xeon® Processor Gold 5218	CascadeLake SP	QRA9	B0	22MB	10.4 GT/s	16	2.3 GHz	3.90 GHz	125W	DDR4-2666
Intel® Xeon® Processor Platinum 8260Y	CascadeLake SP	QR01	B0	33MB	10.4 GT/s	24	2.3 GHz	3.90 GHz	165W	DDR4-2933
Intel® Xeon® Processor Platinum 8260	CascadeLake SP	QR03	B0	33MB	10.4 GT/s	24	2.3 GHz	3.90 GHz	165W	DDR4-2933
Intel® Xeon® Processor Gold 5220	CascadeLake SP	QRGH	L0	24.75MB	10.4 GT/s	18	2.2 GHz	3.90 GHz	125W	DDR4-2666
Intel® Xeon® Processor Gold 5218N	CascadeLake SP	QRGD	L0	22MB	10.4 GT/s	16	2.3 GHz	3.70 GHz	105W	DDR4-2666
Intel® Xeon® Processor Gold 5218B	CascadeLake SP	QRGE	L0	22MB	10.4 GT/s	16	2.3 GHz	3.90 GHz	125W	DDR4-2666
Intel® Xeon® Processor Gold 5217	CascadeLake SP	QRGC	L0	11MB	10.4 GT/s	8	3.0 GHz	3.70 GHz	115W	DDR4-2666
Intel® Xeon® Processor Gold 5215L	CascadeLake SP	QRGB	L0	13.75MB	10.4 GT/s	10	2.5 GHz	3.40 GHz	85W	DDR4-2666
Intel® Xeon® Processor Gold 5215M	CascadeLake SP	QRGA	L0	13.75MB	10.4 GT/s	10	2.5 GHz	3.40 GHz	85W	DDR4-2666
Intel® Xeon® Processor Gold 5215	CascadeLake SP	QRGG	L0	13.75MB	10.4 GT/s	10	2.5 GHz	3.40 GHz	85W	DDR4-2666
Intel® Xeon® Processor Silver 4216	CascadeLake SP	QRG8	L0	22MB	9.6 GT/s	16	2.1 GHz	3.20 GHz	100W	DDR4-2133
Intel® Xeon® Processor Silver 4215	CascadeLake SP	QRG7	L0	11MB	9.6 GT/s	8	2.5 GHz	3.50 GHz	85W	DDR4-2133
Intel® Xeon® Processor Silver 4214Y	CascadeLake SP	QRHY	L0	16.5MB	9.6 GT/s	12	2.2 GHz	3.20 GHz	85W	DDR4-2133
Intel® Xeon® Processor Silver 4214	CascadeLake SP	QRG6	L0	16.5MB	9.6 GT/s	12	2.2 GHz	3.20 GHz	85W	DDR4-2133
Intel® Xeon® Processor Silver 4210	CascadeLake SP	QPJF	R0	13.75MB	9.6 GT/s	10	2.2 GHz	3.20 GHz	85W	DDR4-2133
Intel® Xeon® Processor Silver 4209T	CascadeLake SP	QPJM	R0	11MB	9.6 GT/s	8	2.2 GHz	3.20 GHz	70W	DDR4-2133
Intel® Xeon® Processor Silver 4208	CascadeLake SP	QPJG	R0	11MB	9.6 GT/s	8	2.1 GHz	3.20 GHz	85W	DDR4-2133
Intel® Xeon® Processor Gold 6252N	CascadeLake SP	QSIW	B1	35.75MB	10.4 GT/s	24	2.3 GHz	3.60 GHz	150W	DDR4-2933
Intel® Xeon® Processor Gold 5218T	CascadeLake SP	QSI5	B1	22MB	10.4 GT/s	16	2.1 GHz	3.80 GHz	105W	DDR4-2666
Intel® Xeon® Processor Gold 6240M	CascadeLake SP	QS25	B1	24.75MB	10.4 GT/s	18	2.6 GHz	3.90 GHz	150W	DDR4-2933
Intel® Xeon® Processor Gold 5220S	CascadeLake SP	QSIZ	B1	24.75MB	10.4 GT/s	18	2.7 GHz	3.90 GHz	125W	DDR4-2666
Intel® Xeon® Processor Gold 6222V	CascadeLake SP	QS2C	B1	27.5 MB	10.4 GT/s	20	1.8 GHz	3.60 GHz	115W	DDR4-2400
Intel® Xeon® Processor Gold 6238M	CascadeLake SP	QS27	B1	30.25MB	10.4 GT/s	22	2.1 GHz	3.70 GHz	140W	DDR4-2933
Intel® Xeon® Processor Gold 6262V	CascadeLake SP	QS28	B1	33MB	10.4 GT/s	24	1.9 GHz	3.60 GHz	135W	DDR4-2933
Intel® Xeon® Processor Gold 6234	CascadeLake SP	QSIU	B1	24.75MB	10.4 GT/s	8	3.3 GHz	4.00 GHz	130W	DDR4-2933
Intel® Xeon® Processor Gold 6226	CascadeLake SP	QSIV	B1	19.25MB	10.4 GT/s	12	2.7 GHz	3.70 GHz	125W	DDR4-2933
Intel® Xeon® Processor Gold 6230N	CascadeLake SP	QSIX	B1	27.5MB	10.4 GT/s	20	2.3 GHz	3.50 GHz	125W	DDR4-2933
Intel® Xeon® Processor Gold 5220T	CascadeLake SP	QSI8	B1	24.75MB	10.4 GT/s	18	1.9 GHz	3.90 GHz	105W	DDR4-2666
Intel® Xeon® Processor Gold 6246	CascadeLake SP	QSIQ	B1	24.75MB	10.4 GT/s	8	3.3 GHz	4.20 GHz	165W	DDR4-2933
Intel® Xeon® Processor Gold 6238	CascadeLake SP	QSI5	B1	30.25MB	10.4 GT/s	22	2.1 GHz	3.70 GHz	140W	DDR4-2933
Intel® Xeon® Processor Gold 6230T	CascadeLake SP	QSIY	B1	27.5MB	10.4 GT/s	20	2.1 GHz	3.90 GHz	125W	DDR4-2933
Intel® Xeon® Processor Gold 6240L	CascadeLake SP	QS26	B1	24.75MB	10.4 GT/s	18	2.6 GHz	3.90 GHz	150W	DDR4-2933
Intel® Xeon® Processor Gold 6238L	CascadeLake SP	QS28	B1	30.25MB	10.4 GT/s	22	2.1 GHz	3.70 GHz	140W	DDR4-2933
Intel® Xeon® Processor Bronze 3204	CascadeLake SP	QPJK	R0	8.25MB	9.6 GT/s	6	1.90 GHz	1.90 GHz	85W	DDR4-2133
CascadeLake refresh - Intel® Xeon® Processor Scalable Family										
Intel® Xeon® Processor Gold 6250	CascadeLake refresh	SRGTR	B1	35.75MB	10.4 GT/s	8	3.9 GHz	4.5 GHz	185W	DDR4-2933
Intel® Xeon® Processor Gold 6256R	CascadeLake refresh	SFGZF	B1	38.50MB	10.4 GT/s	28	2.7GHz	4.0 GHz	205W	DDR4-2933
Intel® Xeon® Processor Gold 6248R	CascadeLake refresh	SRGZG	B1	35.75MB	10.4 GT/s	24	3.0 GHz	4.0 GHz	205W	DDR4-2933
Intel® Xeon® Processor Gold 6246R	CascadeLake refresh	SRGZL	B1	35.75MB	10.4 GT/s	16	3.4 GHz	4.1 GHz	205W	DDR4-2933
Intel® Xeon® Processor Gold 6242R	CascadeLake refresh	SRGZJ	B1	35.75MB	10.4 GT/s	20	3.1 GHz	4.1 GHz	205W	DDR4-2933
Intel® Xeon® Processor Gold 6240R	CascadeLake refresh	SFGZ8	B1	35.75MB	10.4 GT/s	24	2.4 GHz	4.0 GHz	165W	DDR4-2933
Intel® Xeon® Processor Gold 6238R	CascadeLake refresh	SRGZ9	B1	38.50MB	10.4 GT/s	28	2.2 GHz	4.0 GHz	165W	DDR4-2933
Intel® Xeon® Processor Gold 6230R	CascadeLake refresh	SRGZA	B1	35.75MB	10.4 GT/s	26	2.1 GHz	4.0 GHz	150W	DDR4-2933
Intel® Xeon® Processor Gold 6226R	CascadeLake refresh	SRGZC	B1	22MB	10.4 GT/s	16	2.9 GHz	3.9 GHz	150W	DDR4-2933
Intel® Xeon® Processor Silver 4215R	CascadeLake refresh	SRGZE	B1	11MB	10.4 GT/s	8	3.2 GHz	4.0 GHz	130W	DDR4-2400
Intel® Xeon® Processor Gold 5220R	CascadeLake refresh	SRGZP	B1	35.75MB	10.4 GT/s	24	2.2 GHz	4.0 GHz	150W	DDR4-2666
Intel® Xeon® Processor Gold 5218R	CascadeLake refresh	SRGZ7	B1	27.50MB	10.4 GT/s	20	2.1 GHz	4.0 GHz	125W	DDR4-2666
Intel® Xeon® Processor Silver 4214R	CascadeLake refresh	QSKT	L1	16.5MB	9.6 GT/s	12	2.4 GHz	3.5 GHz	100W	DDR4-2400
Intel® Xeon® Processor Silver 4210R	CascadeLake refresh	QSL1	R1	13.75MB	9.6 GT/s	10	2.4 GHz	3.2 GHz	100W	DDR4-2400
Intel® Xeon® Processor Bronze 3206R	CascadeLake refresh	QSL2	R1	11MB	9.6 GT/s	8	1.9 GHz	1.9 GHz	85W	DDR4-2133

Montage Jintide® Processor Scalable Family										
Product Name	Memory Type	Module Supplier	Size	Chip Brand	Rank	Voltage	Data Transfer Rate	Error Correction	CAS Latency	Pins
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										
RDIMM										
M4R0-BGS3GCSJ	DDR4	INNODISK	32GB	Samsung	2R X4	1.2v	2400MHz	ECC Registered	17	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
MTA36ASF4G72PZ-2G6D1	DDR4	Micron	32GB	Micron	2Rx4	1.2v	2666MHz	ECC Registered	19	288-pin
MTA36ASF4G72PZ-2G6D1SG	DDR4	Micron	32GB	Micron-IDT	2Rx4	1.2v	2666MHz	ECC Registered	19	288-pin
MTA36ASF4G72PZ-2G6D1RG	DDR4	Micron	32GB	Micron-Inphi	2Rx4	1.2v	2666MHz	ECC Registered	19	288-pin
MTA36ASF4G72PZ-2G6D1QK	DDR4	Micron	32GB	Micron-Montage	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
HMA82GR7AFR4N-VKT3	DDR4	SKhynix	16GB	Skhynix-Montage	1Rx4	1.2v	2666MHz	ECC Registered	19	288-pin
HMA82GR7AFR4N-VKTF	DDR4	SKhynix	16GB	Skhynix-IDT	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
HMA94GR7AFR4N-VKT3	DDR4	SKhynix	32GB	Skhynix-Montage	2Rx4	1.2v	2666MHz	ECC Registered	19	288-pin
HMA84GR7AFR4N-VKTF	DDR4	SKhynix	32GB	Skhynix-IDT	2Rx4	1.2v	2666MHz	ECC Registered	19	288-pin
HMAA8GR7A2R4N-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
CT16G4RFD8266-2G6H1.001	DDR4	CRUCIAL	16GB		2Rx8	1.2v	2666MHz	ECC Registered	19	288-pin
MTA18ASF2G72PDZ-2G6H1QG	DDR4	Micron	16GB		2Rx8	1.2v	2666MHz	ECC Registered	19	288-pin
CT32G4RFD4266-2G6H1.001	DDR4	CRUCIAL	32GB		2Rx4	1.2v	2666MHz	ECC Registered	19	288-pin
MTA36ASF4G72PZ-2G6H1QG	DDR4	Micron	32GB		2Rx4	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
CT16G4RFD8266-18FD1	DDR4	CRUCIAL	16GB	Micron	2Rx8	1.2v	2666MHz	ECC Registered	19	288-pin
CT16G4RFD8266-18FE1	DDR4	Crucial	16GB	Micron	2Rx8	1.2v	2666MHz	ECC Registered	19	288-pin
MTA18ASF2G72PDZ-2G6E1SG	DDR4	Micron	16GB	Micron	2Rx8	1.2v	2666MHz	ECC Registered	19	288-pin
MTA18ASF2G72PDZ-2G6E1QG	DDR4	Micron	16GB	Micron	2Rx8	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	2R X8	1.2v	2666MHz	ECC Registered	19	288-pin
MTA18ASF1G72PDZ-2G6E1RG	DDR4	Micron	8GB	Micron	2R X8	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
M393A4K40CB2-CTD7Q	DDR4	Samsung	32GB	Samsung-IDT	2Rx4	1.2v	2666MHz	ECC Registered	19	288-pin
M393A1K43BB1-CTD7Q	DDR4	Samsung	8GB	Samsung	1R X8	1.2v	2666MHz	ECC Registered	19	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
M393A8K40B22-CWD6Q	DDR4	Samsung	64GB	Samsung	2S2Rx4	1.2v	2666MHz	ECC Registered	19	288-pin
CT8G4RFS8266-9FD1	DDR4	Crucial	8GB	Micron	1Rx8	1.2v	2666MHz	ECC Registered	19	288-pin
MTA9ASF1G72PZ-2G6D1QI	DDR4	Micron	8GB	Micron	1Rx8	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
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
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.2G9E2UG	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

M393A2K40DB2-CVFBQ	DDR4	Samsung	16GB	Samsung-IDT	1Rx4	1.2v	2933MHz	ECC Registered	21	288-pin
M393A4K40DB2-CVFBQ	DDR4	Samsung	32GB	Samsung-IDT	2Rx4	1.2v	2933MHz	ECC Registered	21	288-pin
MTA18ASF2G72PDZ-2G9J3VI	DDR4	Micron	16GB	Micron-IDT	2Rx8	1.2v	2933MHz	ECC Registered	21	288-pin
MTA18ASF2G72PDZ-2G9J3TI	DDR4	Micron	16GB	Micron-Montage	2Rx8	1.2v	2933MHz	ECC Registered	21	288-pin
KSM29RD4/32HDR	DDR4	Kingston	32GB	SKhynix-Rambus	2Rx4	1.2v	2933MHz	ECC Registered	21	288-pin
M393A2K43DB2-CVFBQ	DDR4	Samsung	16GB	Samsung-IDT	2Rx8	1.2v	2933MHz	ECC Registered	21	288-pin
MTA36ASF4G72PZ-2G9J3TI	DDR4	Micron	32GB	Micron-Montage	2Rx4	1.2v	2933MHz	ECC Registered	21	288-pin
KSM29RD8/16HDR	DDR4	Kingston	16GB	SKhynix-Rambus	2Rx8	1.2v	2933MHz	ECC Registered	21	288-pin
RDIMM (Only support CascadeLake)										
M393A8G40MB2-CTD7Q	DDR4	Samsung	64GB	Samsung-IDT	2Rx4	1.2v	2666MHz	ECC Registered	19	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-2G9B1VI	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-2G9B2VI	DDR4	Crucial	64GB	Micron-IDT	2Rx4	1.2v	2933MHz	ECC Registered	21	288-pin
MTA36ASF8G72PZ-2G9E1TI	DDR4	Micron	64GB	Micron-Montage	2Rx4	1.2v	2933MHz	ECC Registered	21	288-pin
M393A8G40AB2-CVFBY	DDR4	Samsung	64GB	Samsung-IDT	2Rx4	1.2v	2933MHz	ECC Registered	21	288-pin
MTA9ASF2G72PZ-2G9E1UI	DDR4	Micron	16GB	Micron-Rambus	1Rx8	1.2v	2933MHz	ECC Registered	21	288-pin
CT16G4RFD8266-2G6E1.001	DDR4	Crucial	32GB	Micron	2Rx8	1.2v	2666MHz	ECC Registered	19	288-pin
MTA18ASF4G72PDZ-2G9E1TI	DDR4	Micron	32GB	Micron-Montage	2Rx8	1.2v	2933MHz	ECC Registered	21	288-pin
DDR4 Memory ECC LRDIMM										
Product Name	Memory Type	Module Supplier	Size	Chip Brand	Rank	Voltage	Data Transfer Rate	Error Correction	CAS Latency	Pins
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 Unbuffer	17	288-pin
Intel Optane™ Persistent Memory 100 Series (Apache PASS) Due to thermal limitaiton, please mark as orange color if test pass										
Product Name	Memory Type	Module Supplier	Size	TDP	Pins	Note				
NMA1XBD128G25E 3DXP PAK 1	DDR-T	Intel	128GB	15W	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
Seagate Enterprise Capacity 2.5 HDD										
ST1000NX0313	SATA	Seagate	2.5"	512e	1TB	6Gb/s	Exos 7E2000(Enterprise Capacity V.3)	128MB	7200	N/A
ST1000X0303	SATA	Seagate	2.5"	4Kn	1TB	6Gb/s	EXOS 7E2000	128MB	7200	N/A
ST2000NX0243	SATA	Seagate	2.5"	4Kn	2TB	6Gb/s	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
ST2000NX0403	SATA	Seagate	2.5"	512n	2TB	6Gb/s	Enterprise Capacity V.3	128MB	7200	N/A
SATA/SAS SSD										
Product Name	Type	Vendor	Form Factor	Interface	Capacity	Interface Speed	FW	Note		
SATA/SAS SSD										
SSDSC2KB480G701 (Series DC S4500)	SSD	Intel	2.5"	SATA	480GB	6Gb/s				
SSDSC2KB960G701 (Series DC S4500)	SSD	Intel	2.5"	SATA	960GB	6Gb/s	SCV10100			
SSDSC2KG019T701 (Series DC S4600)	SSD	Intel	2.5"	SATA	1.92TB	6Gb/s	SCV10100			
MZ7KM1T9HMJP-0005 (SM863a)	SSD	Samsung	2.5"	SATA	1.92TB	6Gb/s	GXM5104Q			
Micron 5100 MTFDDAK960TBY-1AR1ZABYY	SSD	Micron	2.5"	SATA	960GB	6Gb/s				
SDLF1CRR-019T-1JA2	SSD	SanDisk	2.5"	SATA	1.92TB	6Gb/s	ZR07			
SDLF1CRR-019T-1HA1	SSD	SanDisk	2.5"	SATA	1.92TB	6Gb/s	ZR07			
MZ-7LH1T9NE 883 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		
ASR1100SS-240GT-B	SSD	ADATA	2.5"	SATA	240GB	6Gb/s		
KHK61RSE960G	SSD	Toshiba	2.5"	SATA	960GB	6Gb/s		
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		
SEDC500M/3840G DC500M Series	SSD	Kingston	2.5"	SATA	3.84TB	6Gb/s		
SEDC500M/1920G DC500M Series	SSD	Kingston	2.5"	SATA	1.92TB	6Gb/s		
SEDC500M/960G DC500M Series	SSD	Kingston	2.5"	SATA	960GB	6Gb/s		
SEDC500M/480G DC500M Series	SSD	Kingston	2.5"	SATA	480GB	6Gb/s		
SSB480GTLCG-D2-SME520GBT ESM1220 Series	SSD	Phison	2.5"	SATA	240GB	6Gb/s		
SSB480GTLCG-D2-SME520GBT ESM1220 Series	SSD	Phison	2.5"	SATA	480GB	6Gb/s		
SSB960GTLCG-D2-SME520GBT ESM1220 Series	SSD	Phison	2.5"	SATA	960GB	6Gb/s		
SSB1K9GTLCG-D2-SME520GBT ESM1220 Series	SSD	Phison	2.5"	SATA	1.92TB	6Gb/s		

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	-	
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	-	
HUAWEI ES3600C V2 PCIe Gen 3.0 x 4 3.2TB	PCIe	HUAWEI	PCI-E 3.0	PCIe(NVMe)	3.2TB	-	
Netlist N1951 E3 NS1951AH33T2 Gen3 x8 3.2TB	PCIe	Netlist	PCI-E 3.0	PCIe(NVMe)	3.2TB	-	

SATA DOM

Product Name	Type	Vendor	Capacity	Flash Type	Max. Channels	Max. Power Consumption	Note
SATA III							
Innodisk SATADOM-SL 3ME4 DESSL-A28M41BCADC-B-D33	Vertical	INNODISK	128GB	MLC	1	1.02 W	
Innodisk SATADOM-SL 3ME4 DESSL-64GM41BC1SCB	Vertical	INNODISK	64GB	MLC	1	0.734 W	
Innodisk SATADOM-ML 3ME4 DESML-64GM41BCADC-B	Vertical	INNODISK	64GB	MLC	2	0.815 W	
Innodisk SATADOM-SH 3ME4 DESSH-64GM41BC1SCB	Horizontal	INNODISK	64GB	MLC	2	1.27 W	

GPGPU Card (GPGPU server only)

Product Name	Processor Cores	Memory Bandwidth (GB/sec)	VRAM	OpenGL	Microsoft DirectX	Graphics Card Power (W)	NVIDIA SLI / AMD CrossFire Ready	Note
NVIDIA Tesla								
V100S (VOLTA)	5120	1134 GB/s	32GB			250 W	-	(Maximum support 8pcs GPGPU)
V100 (VOLTA) 16GB	5120	900 GB/s	16GB			250 W	-	(Maximum support 8pcs GPGPU)
P40 (Pascal)	3840	346 GB/s	24GB			250 W	-	(Maximum support 8pcs GPGPU)
Tesla P100 (Pascal)	3584	732 GB/s	16GB			250 W	-	(Maximum support 8pcs GPGPU)
P4 (Pascal)	2560	192 GB/s	8GB			50/70 W	-	(Maximum support 8pcs GPGPU)
M60 (Maxwell)	4096	320 GB/s	16GB			300 W	-	(Maximum support 8pcs GPGPU)
M40 24GB (Maxwell)	3072	288 GB/s	24GB			250 W	-	(Maximum support 8pcs GPGPU)
M10 (Maxwell)	2560	320 GB/s	32GB			225 W	-	(Maximum support 8pcs GPGPU)
T4 (TURING)	2560	320 GB/s	16GB			70 W	-	(Maximum support 8pcs GPGPU)
A100 (Ampere)	6912	1555 GB/s	40GB			250 W	-	(Maximum support 8pcs GPGPU)
NVIDIA Quadro (https://www.nvidia.com/zh-tw/design-visualization/quadro/)								
RTX 6000 Passive	4608	624GB/s	24GB			250W		(Maximum support 8pcs GPGPU)
RTX 8000 Passive	4608	624GB/s	48GB			250W		(Maximum support 8pcs GPGPU)
RTX 4000	2304	416GB/s	8GB			160 W		
RTX 5000	3072	448GB/s	16GB			230 W		

RAID Cards

Model	RAID-on-Chip Controller	Host Bus Type	Internal Ports	Internal Connectors	External Ports	External Connectors	Data Transfer Rates	Note
GIGABYTE Storage Cards								
CRA3338	LSI SAS 3008	PCIe- x8 Gen3 x8 bus	8	2 x Mini-SAS HD for 8x SAS	-	-	12Gb/s ports	
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	4	1 x internal Mini-SAS HD SFF8643	4	1 x external Mini-SAS HD SFF8644	12Gb/s ports	
CSA6548	LSI SAS 3008	Mezzanine Gen3 x8 bus	-	-	8	2 x external Mini-SAS HD SFF8644	12Gb/s ports	
CSA3548	LSI SAS 3008	PCIe- x8 Gen3 x8 bus	-	-	8	2 x external Mini-SAS HD SFF8644	12Gb/s ports	
LSI Host Bus Adapters (HBAs)								
LSI SAS 9400-16i without Tri-mode		x8 lane PCI Express® 3.1	16			4 Mini-SAS HD x4 SFF-8643	12Gb/s SAS 3.0	
Microsemi Host Bus Adapters								
HBA 1100-24i	PM8238	8-Lane PCIe Gen3	24	6 x Internal, SFF-8643	-	-	12 Gb/s per port	
HBA 1100-16i	PM8242	8-Lane PCIe Gen3	16	4 x Internal, SFF-8643	-	-	12 Gb/s per port	
Microsemi RAID Cards								
SmartRAID 3154-8i	PM8204	8-Lane PCIe Gen3	8	2 x Internal, SFF-8643	-	-	12 Gb/s per port	
SmartRAID 3154-16i	PM8236	8-Lane PCIe Gen3	16	4 x Internal, SFF-8643	-	-	12 Gb/s per port	
SmartHBA 2100-8i	PM8222	8-Lane PCIe Gen3	8	2 x Internal, SFF-8643	-	-	12 Gb/s per port	
LAN Cards								

Product Name	Connector	System Interface Type	# of Ports	System Interface Type	Data rate	Note
GIGABYTE LAN Cards						
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
CLN4832	SFP+	PCIe x8 Gen2 x8	Dual	10Gb/s per port		INTEL 82599ES
GC-MNXE21	SFP+	PCIe x8 Gen3 x8	Dual	10Gb/s per port		Mellanox ConnectX-3
GC-MLB21	SFP+	PCIe x8 Gen2 x8	Dual	10Gb/s per port		Broadcom BCM57810S
CLN4121	RJ-45	PCIe x4 Gen3 x4	single	10Gb/s per port		INTEL X550-AT
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
CLN4224	RJ-45	PCIe x8 Gen3 x4	Quad	10Gb/s per port		INTEL X550-AT2
CLN4222	RJ-45	PCIe x8 Gen3 x4	Dual	10Gb/s per port		INTEL X550-AT2
CLN4C44	SFP28	PCIe Gen3 x16	Quad	25Gb/s per port		Mellanox ConnectX-4
Intel_10GbE						
Intel® Ethernet Converged Network Adapter X550-T2	RJ-45	PCIe v3.0 (8.0 GT/s)	Dual	10Gb/s per port		
Intel_25GbE						
Intel® Ethernet Network Adapter XXV710-DA2	SFP28	PCIe v3.0 (8.0 GT/s)	Dual	25Gb/s per port		
Intel_40GbE						
Intel® Ethernet Converged Network Adapter XL710-QDA2	QSFP+	PCIe v3.0 (8.0 GT/s)	Dual	40Gb/s per port		
Mellanox ConnectX						
MCX455A-ECAT	QSFP28	PCIe Gen3 x16	Single	100Gb/s per port		Mellanox ConnectX-4 VPI (InfiniBand)
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
MCX4121A-ACAT	SFP28	PCIe Gen3 x8	Dual	25Gb/s per port		Mellanox ConnectX-4 Lx EN
Mellanox VPI Adapter Cards						
MCX654106A-HCAT	QSFP56	PCIe 3.0 x16	Dual	200Gb/s per port		Mellanox ConnectX-6 Ex VPI (InfiniBand)
MCB194A-FCAT	QSFP	PCIe 3.0	Dual	FDR IB (56Gb/s)		PCIe3.0 x16 + PCIe3.0x16 aux. card Socket Direct
MCX354A-FCBT	QSFP	PCIe 3.0	Dual	FDR and 40/56GbE		
MCX556A-ECAT	QSFP28	PCIe3.0 x16	Dual	EDR IB (100Gb/s)		Mellanox ConnectX®-5 VPI EDR IB (InfiniBand)
Solarflare Onload Server Adapters						
SFN8522-PLUS	QSFP+	PCIe 3.1 x8	Dual	10Gb/s per port		
SFN8522-ScaleOut Onload	QSFP+	PCIe 3.1 x8	Dual	10Gb/s per port		
SFN7322F	SFP+	8.0GT/s (Gen3)	Dual	10Gb/s per port		
Qlogic LAN Adapters						
QLE3442-CU-CK	SFP+	PCIe x8 Gen3 x8	Dual	10Gb/s per port		
QLE3442-RJ-CK	RJ-45	PCIe x8 Gen3 x8	Dual	10Gb/s per port		
QL45212HLCU-CK	SFP28	PCIe x8 Gen3 x8	Dual	25Gb/s per port		
QL45412HLCU-CK	QSFP+	PCIe x16 Gen3 x16	Dual	40Gb/s per port		
QL45611HLCU	QSFP28	PCIe x16 Gen3 x16	Single	100Gb/s per port		
QL41212HLCU-SP	SFP28	PCIe x8 Gen3 x8	Dual	25Gb/s per port		
QL41132HLCU-SP	SFP28	PCIe x8 Gen3 x8	Dual	10Gb/s per port		
Broadcom (Emulex) Ethernet Networking Adapters						
OCe14102-NX	SFP+	PCIe 3.0 x8	Dual	10Gb/s per port		
Broadcom FC Host Bus Adapter						
LPe32002-M2	SFP+	PCIe 3.0 x8	Dual	32Gb/s per port		XE501 controller
Intel Omni-Path Host Fabric						
Intel® Omni-Path Host Fabric Adapters 100HFA016LS	QSFP28	PCIe v3.0 x16	Single	100Gb/s per port		
USB Device						
Product Name	Type	Vendor	Capacity	Note		
USB 3.0						
PURE CLASSIC X176B1FWB075	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				
310-SB3(6G)	Device	STARDOM				