

2nd Generation Intel Xeon SP Comparison with Cascade Lake Refresh CPUs (Sorted by Cores)

2nd Generation Intel Xeon SP	TDP (w)	GHz	Cores	SpecInt	Cache (MB)	Intel Web Price (USD)*
8280	205	2.7	28	342	38.5	\$10,099
8276	165	2.2	28	297	38.5	\$8,719
6238	140	2.1	22	211	30.25	\$2,612
8270	205	2.7	26	318	35.75	\$7,405
6230	125	2.1	20	224	27.5	\$1,894
6252	150	2.1	24	270	35.75	\$3,655
5220	125	2.2	18	199	24.75	\$1,555
8260	165	2.2	24	283	35.75	\$4,702
6240	150	2.6	18	226	24.75	\$2,445
8268	205	2.9	24	303	35.75	\$6,302
6248	150	2.5	20	218	27.5	\$3,072
5218	125	2.3	16	181	22	\$1,273
6242	150	2.8	16	215	22	\$2,529
6226	125	2.7	12	165	19.25	\$1,776
6242	150	2.8	16	215	22	\$2,529
6246	165	3.3	12	181	24.75	\$3,286
4214	85	2.2	12	133	16.5	\$694
4210	85	2.2	10	110	13.75	\$501
4215	85	2.5	8	93	11	\$562



2nd Generation Intel Xeon SP -R	TDP (w)	GHz	Cores	SpecInt	Cache (MB)	Intel Web Price (USD)*	SpecInt Difference	Price Savings
6258R	205	2.7	28	326	38.5	\$3,950	-16	\$6,149
6238R	165	2.2	28	289	38.5	\$2,612	-8	\$6,107
6238R	165	2.2	28	289	38.5	\$2,612	78	\$0
6230R	150	2.1	26	271	35.75	\$1,894	-47	\$5,511
6230R	150	2.1	26	271	35.75	\$1,894	47	\$0
5220R	150	2.2	24	259	35.75	\$1,555	-11	\$2,100
5220R	150	2.2	24	259	35.75	\$1,555	60	\$0
6240R	150	2.4	24	259	35.75	\$2,200	-24	\$2,502
6240R	150	2.4	24	259	35.75	\$2,200	33	\$245
6248R	205	3	24	309	35.75	\$2,700	6	\$3,602
6248R	205	3	24	309	35.75	\$2,700	91	\$372
5218R	125	2.1	20	212	27.5	\$1,273	31	\$0
6226R	150	2.9	16	209	22	\$1,300	-6	\$1,229
6226R	150	2.9	16	209	22	\$1,300	44	\$476
6242R	205	3.1	16	241	35.75	\$2,529	26	\$0
6246R	205	3.4	16	241	35.75	\$3,286	60	\$0
4214R	100	2.4	12	143	16.5	\$694	10	\$0
4210R	100	2.4	10	115	13.75	\$501	5	\$0
4215R	130	3.2	8	101	11	\$794	8	-\$232

* prices based on data from <http://ark.intel.com> as of March 30, 2020

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Intel 2nd Generation Xeon SP -R Comparison with 2nd Gen Xeon SP

2nd Generation Intel Xeon SP Comparison with Cascade Lake Refresh CPUs (Sorted by GHz)

2nd Generation Intel Xeon SP	TDP (w)	GHz	Cores	SpecInt	Cache (MB)	Intel Web Price (USD)*
6246	165	3.3	12	181	24.75	\$3,286
4215	85	2.5	8	93	11	\$562
6242	150	2.8	16	215	22	\$2,529
8268	205	2.9	24	303	35.75	\$6,302
6248	150	2.5	20	218	27.5	\$3,072
6242	150	2.8	16	215	22	\$2,529
6226	125	2.7	12	165	19.25	\$1,776
8280	205	2.7	28	342	38.5	\$10,099
8260	165	2.2	24	283	35.75	\$4,702
6240	150	2.6	18	226	24.75	\$2,445
4214	85	2.2	12	133	16.5	\$694
4210	85	2.2	10	110	13.75	\$501
8276	165	2.2	28	297	38.5	\$8,719
6238	140	2.1	22	211	30.25	\$2,612
6252	150	2.1	24	270	35.75	\$3,655
5220	125	2.2	18	199	24.75	\$1,555
8270	205	2.7	26	318	35.75	\$7,405
6230	125	2.1	20	224	27.5	\$1,894
5218	125	2.3	16	181	22	\$1,273



2nd Generation Intel Xeon SP -R	TDP (w)	GHz	Cores	SpecInt	Cache (MB)	Intel Web Price (USD)*	SpecInt Difference	Price Savings
6246R	205	3.4	16	241	35.75	\$3,286	60	\$0
4215R	130	3.2	8	101	11	\$794	8	-\$232
6242R	205	3.1	16	241	35.75	\$2,529	26	\$0
6248R	205	3	24	309	35.75	\$2,700	6	\$3,602
6248R	205	3	24	309	35.75	\$2,700	91	\$372
6226R	150	2.9	16	209	22	\$1,300	-6	\$1,229
6226R	150	2.9	16	209	22	\$1,300	44	\$476
6258R	205	2.7	28	326	38.5	\$3,950	-16	\$6,149
6240R	150	2.4	24	259	35.75	\$2,200	-24	\$2,502
6240R	150	2.4	24	259	35.75	\$2,200	33	\$245
4214R	100	2.4	12	143	16.5	\$694	10	\$0
4210R	100	2.4	10	115	13.75	\$501	5	\$0
6238R	165	2.2	28	289	38.5	\$2,612	-8	\$6,107
6238R	165	2.2	28	289	38.5	\$2,612	78	\$0
5220R	150	2.2	24	259	35.75	\$1,555	-11	\$2,100
5220R	150	2.2	24	259	35.75	\$1,555	60	\$0
6230R	150	2.1	26	271	35.75	\$1,894	-47	\$5,511
6230R	150	2.1	26	271	35.75	\$1,894	47	\$0
5218R	125	2.1	20	212	27.5	\$1,273	31	\$0

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2nd Generation Intel Xeon SP Comparison with Cascade Lake Refresh CPUs (Sorted by SpecInt)

2nd Generation Intel Xeon SP	TDP (w)	GHz	Cores	SpecInt	Cache (MB)	Intel Web Price (USD)*
8280	205	2.7	28	342	38.5	\$10,099
8268	205	2.9	24	303	35.75	\$6,302
6248	150	2.5	20	218	27.5	\$3,072
8276	165	2.2	28	297	38.5	\$8,719
6238	140	2.1	22	211	30.25	\$2,612
8270	205	2.7	26	318	35.75	\$7,405
6230	125	2.1	20	224	27.5	\$1,894
8260	165	2.2	24	283	35.75	\$4,702
6240	150	2.6	18	226	24.75	\$2,445
6252	150	2.1	24	270	35.75	\$3,655
5220	125	2.2	18	199	24.75	\$1,555
6246	165	3.3	12	181	24.75	\$3,286
6242	150	2.8	16	215	22	\$2,529
5218	125	2.3	16	181	22	\$1,273
6242	150	2.8	16	215	22	\$2,529
6226	125	2.7	12	165	19.25	\$1,776
4214	85	2.2	12	133	16.5	\$694
4210	85	2.2	10	110	13.75	\$501
4215	85	2.5	8	93	11	\$562



2nd Generation Intel Xeon SP -R	TDP (w)	GHz	Cores	SpecInt	Cache (MB)	Intel Web Price (USD)*	SpecInt Difference	Price Savings
6258R	205	2.7	28	326	38.5	\$3,950	-16	\$6,149
6248R	205	3	24	309	35.75	\$2,700	6	\$3,602
6248R	205	3	24	309	35.75	\$2,700	91	\$372
6238R	165	2.2	28	289	38.5	\$2,612	-8	\$6,107
6238R	165	2.2	28	289	38.5	\$2,612	78	\$0
6230R	150	2.1	26	271	35.75	\$1,894	-47	\$5,511
6230R	150	2.1	26	271	35.75	\$1,894	47	\$0
6240R	150	2.4	24	259	35.75	\$2,200	-24	\$2,502
6240R	150	2.4	24	259	35.75	\$2,200	33	\$245
5220R	150	2.2	24	259	35.75	\$1,555	-11	\$2,100
5220R	150	2.2	24	259	35.75	\$1,555	60	\$0
6246R	205	3.4	16	241	35.75	\$3,286	60	\$0
6242R	205	3.1	16	241	35.75	\$2,529	26	\$0
5218R	125	2.1	20	212	27.5	\$1,273	31	\$0
6226R	150	2.9	16	209	22	\$1,300	-6	\$1,229
6226R	150	2.9	16	209	22	\$1,300	44	\$476
4214R	100	2.4	12	143	16.5	\$694	10	\$0
4210R	100	2.4	10	115	13.75	\$501	5	\$0
4215R	130	3.2	8	101	11	\$794	8	-\$232

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2nd Generation Intel Xeon SP Comparison with Cascade Lake Refresh CPUs (Sorted by Savings)

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8270	205	2.7	26	318	35.75	\$7,405
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6248	150	2.5	20	218	27.5	\$3,072
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6238	140	2.1	22	211	30.25	\$2,612
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6238R	165	2.2	28	289	38.5	\$2,612	78	\$0
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