

# Intel® Xeon® Scalable Processor Overview Matrix



CPU Type	CPU Model	# of Cores	TDP (W)	Frequency (GHz)	Max Memory/Socket	Max Sockets	UPI Links	UPI Speed (GT/s)	# of Memory Channels	Top Memory Speed (MT/s)	Hyper-Threading	Turbo Boost	RAS Capability	512-bit FMA Units
Platinum	8180M	28	205	2.5	1.5 TB	8	3	10.4	6	2666	HT	TB	Adv	2
Platinum	8180	28	205	2.5	768 GB	8	3	10.4	6	2666	HT	TB	Adv	2
Platinum	8176M	28	165	2.1	1.5 TB	8	3	10.4	6	2666	HT	TB	Adv	2
Platinum	8176	28	165	2.1	768 GB	8	3	10.4	6	2666	HT	TB	Adv	2
Platinum	8170M	26	165	2.1	1.5 TB	8	3	10.4	6	2666	HT	TB	Adv	2
Platinum	8170	26	165	2.1	768 GB	8	3	10.4	6	2666	HT	TB	Adv	2
Platinum	8168	24	205	2.7	768 GB	8	3	10.4	6	2666	HT	TB	Adv	2
Platinum	8164	26	150	2.0	768 GB	8	3	10.4	6	2666	HT	TB	Adv	2
Platinum	8160T	24	150	2.1	768 GB	8	3	10.4	6	2666	HT	TB	Adv	2
Platinum	8160M	24	150	2.1	1.5 TB	8	3	10.4	6	2666	HT	TB	Adv	2
Platinum	8160	24	150	2.1	768 GB	8	3	10.4	6	2666	HT	TB	Adv	2
Platinum	8158	12	150	3.0	768 GB	8	3	10.4	6	2666	HT	TB	Adv	2
Platinum	8156	4	105	3.6	768 GB	8	3	10.4	6	2666	HT	TB	Adv	2
Platinum	8153	16	125	2.0	768 GB	8	3	10.4	6	2666	HT	TB	Adv	2
Gold	6154	18	200	3.0	768 GB	4 Xbar	3	10.4	6	2666	HT	TB	Adv	2
Gold	6152	22	140	2.1	768 GB	4 Xbar	3	10.4	6	2666	HT	TB	Adv	2
Gold	6150	18	165	2.7	768 GB	4 Xbar	3	10.4	6	2666	HT	TB	Adv	2
Gold	6148	20	150	2.4	768 GB	4 Xbar	3	10.4	6	2666	HT	TB	Adv	2
Gold	6146	12	165	3.2	768 GB	4 Xbar	3	10.4	6	2666	HT	TB	Adv	2
Gold	6144	8	150	3.5	768 GB	4 Xbar	3	10.4	6	2666	HT	TB	Adv	2
Gold	6142M	16	150	2.6	1.5 TB	4 Xbar	3	10.4	6	2666	HT	TB	Adv	2
Gold	6142	16	150	2.6	768 GB	4 Xbar	3	10.4	6	2666	HT	TB	Adv	2
Gold	6140M	18	140	2.3	1.5 TB	4 Xbar	3	10.4	6	2666	HT	TB	Adv	2
Gold	6140	18	140	2.3	768 GB	4 Xbar	3	10.4	6	2666	HT	TB	Adv	2
Gold	6138T	20	125	2.0	768 GB	4 Xbar	3	10.4	6	2666	HT	TB	Adv	2
Gold	6138	20	125	2.0	768 GB	4 Xbar	3	10.4	6	2666	HT	TB	Adv	2
Gold	6136	12	150	3.0	768 GB	4 Xbar	3	10.4	6	2666	HT	SB	Adv	2
Gold	6134M	8	130	3.2	1.5 TB	4 Xbar	3	10.4	6	2666	HT	TB	Adv	2
Gold	6134	8	130	3.2	768 GB	4 Xbar	3	10.4	6	2666	HT	TB	Adv	2
Gold	6132	14	140	2.6	768 GB	4 Xbar	3	10.4	6	2666	HT	TB	Adv	2
Gold	6130T	16	125	2.1	768 GB	4 Xbar	3	10.4	6	2666	HT	TB	Adv	2
Gold	6130	16	125	2.1	768 GB	4 Xbar	3	10.4	6	2666	HT	TB	Adv	2
Gold	6128	6	115	3.4	768 GB	4 Xbar	3	10.4	6	2666	HT	TB	Adv	2
Gold	6126T	12	125	2.6	768 GB	4 Xbar	3	10.4	6	2666	HT	TB	Adv	2
Gold	6126	12	125	2.6	768 GB	4 Xbar	3	10.4	6	2666	HT	TB	Adv	2
Gold	5122	4	105	3.6	768 GB	4 ring	2	10.4	6	2666	HT	TB	Adv	2
Gold	5120T	14	105	2.2	768 GB	4 ring	2	10.4	6	2400	HT	TB	Adv	1
Gold	5120	14	105	2.2	768 GB	4 ring	2	10.4	6	2400	HT	TB	Adv	1
Gold	5119T	14	85	1.9	768 GB	4 ring	2	10.4	6	2400	HT	TB	Adv	1
Gold	5118	12	105	2.3	768 GB	4 ring	2	10.4	6	2400	HT	TB	Adv	1
Gold	5115	10	85	2.4	768 GB	4 ring	2	10.4	6	2400	HT	TB	Adv	1
Silver	4116T	12	85	2.1	768 GB	2	2	9.6	6	2400	HT	TB	Std	1
Silver	4116	12	85	2.1	768 GB	2	2	9.6	6	2400	HT	TB	Std	1
Silver	4114T	10	85	2.2	768 GB	2	2	9.6	6	2400	HT	TB	Std	1
Silver	4114	10	85	2.2	768 GB	2	2	9.6	6	2400	HT	TB	Std	1
Silver	4112	4	85	2.6	768 GB	2	2	9.6	6	2400	HT	TB	Std	1
Silver	4110	8	85	2.1	768 GB	2	2	9.6	6	2400	HT	TB	Std	1
Silver	4109T	8	70	2.0	768 GB	2	2	9.6	6	2400	HT	TB	Std	1
Silver	4108	8	85	1.8	768 GB	2	2	9.6	6	2400	HT	TB	Std	1
Bronze	3106	8	85	1.7	768 GB	2	2	9.6	6	2133			Std	1
Bronze	3104	6	85	1.7	768 GB	2	2	9.6	6	2133			Std	1