

Intel® Xeon® Scalable Processor Matrix



Family	Model	# of Cores	Frequency (GHz)	Cache	TDP (W)	Max Memory Size	Max Memory Speed	Max # of Memory Channels	UPI Links / Speed (GT/s)	OPA
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Platinum Family - 1.5TB Memory Per Socket

Platinum	8180M	28	2.5	38.5	205	1536	2666	6	3 - 10.4Gt/S	No
Platinum	8176M	28	2.1	38.5	165	1536	2666	6	3 - 10.4Gt/S	No
Platinum	8170M	26	2.1	35.75	165	1536	2666	6	3 - 10.4Gt/S	No
Platinum	8160M	24	2.1	33	150	1536	2666	6	3 - 10.4Gt/S	No

Platinum Family - 768GB Memory Per Socket

Platinum	8180	28	2.5	38.5	205	768	2666	6	3 - 10.4Gt/S	No
Platinum	8176	28	2.1	38.5	165	768	2666	6	3 - 10.4Gt/S	No
Platinum	8170	26	2.1	35.75	165	768	2666	6	3 - 10.4Gt/S	No
Platinum	8168	24	2.7	33	205	768	2666	6	3 - 10.4Gt/S	No
Platinum	8164	26	2.0	35.75	150	768	2666	6	3 - 10.4Gt/S	No
Platinum	8160	24	2.1	33	150	768	2666	6	3 - 10.4Gt/S	No
Platinum	8158	12	3.0	24.75	150	768	2666	6	3 - 10.4Gt/S	No
Platinum	8156	4	3.6	16.5	105	768	2666	6	3 - 10.4Gt/S	No
Platinum	8153	16	2.0	22	125	768	2666	6	3 - 10.4Gt/S	No

Platinum Family - 768GB Memory Per Socket and Lower TDP

Platinum	8160T	24	2.1	33	150	768	2666	6	3 - 10.4Gt/S	No
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Platinum Family - 768GB Memory Per Socket and Integrated OPA

Platinum	8176F	28	2.1	38.5	173	768	2666	6	3 - 10.4Gt/S	Yes
Platinum	8160F	24	2.1	33	160	768	2666	6	3 - 10.4Gt/S	Yes

Gold Family - 1.5TB Memory Per Socket

Gold	6142M	16	2.6	22	150	1536	2666	6	3 - 10.4Gt/S	No
Gold	6140M	18	2.3	24.75	140	1536	2666	6	3 - 10.4Gt/S	No
Gold	6134M	8	3.2	24.75	130	1536	2666	6	3 - 10.4Gt/S	No

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Gold Family - 768GB Memory Per Socket

Gold	6154	18	3.0	24.75	200	768	2666	6	3 - 10.4Gt/S	No
Gold	6152	22	2.1	30.25	140	768	2666	6	3 - 10.4Gt/S	No
Gold	6150	18	2.7	24.75	165	768	2666	6	3 - 10.4Gt/S	No
Gold	6148	20	2.4	27.5	150	768	2666	6	3 - 10.4Gt/S	No
Gold	6146	12	3.2	24.75	165	768	2666	6	3 - 10.4Gt/S	No
Gold	6144	8	3.5	24.75	150	768	2666	6	3 - 10.4Gt/S	No
Gold	6142	16	2.6	22	150	768	2666	6	3 - 10.4Gt/S	No
Gold	6140	18	2.3	24.75	140	768	2666	6	3 - 10.4Gt/S	No
Gold	6138	20	2.0	27.5	125	768	2666	6	3 - 10.4Gt/S	No
Gold	6136	12	3.0	24.75	150	768	2666	6	3 - 10.4Gt/S	No
Gold	6134	8	3.2	24.75	130	768	2666	6	3 - 10.4Gt/S	No
Gold	6132	14	2.6	19.25	140	768	2666	6	3 - 10.4Gt/S	No
Gold	6130	16	2.1	22	125	768	2666	6	3 - 10.4Gt/S	No
Gold	6128	6	3.4	19.25	115	768	2666	6	3 - 10.4Gt/S	No
Gold	6126	12	2.6	19.25	125	768	2666	6	3 - 10.4Gt/S	No
Gold	5122	4	3.6	16.5	105	768	2666	6	2 - 10.4Gt/S	No
Gold	5120	14	2.2	19.25	105	768	2400	6	2 - 10.4Gt/S	No
Gold	5118	12	2.3	16.5	105	768	2400	6	2 - 10.4Gt/S	No
Gold	5117	14	2.0	19.25	105	768	2400	6	2 - 10.4Gt/S	No
Gold	5115	10	2.4	13.75	85	768	2400	6	2 - 10.4Gt/S	No

Gold Family - 768GB Memory Per Socket and Lower TDP

Gold	6138T	20	2.0	27.5	125	768	2666	6	3 - 10.4Gt/S	No
Gold	6130T	16	2.1	22	125	768	2666	6	3 - 10.4Gt/S	No
Gold	6126T	12	2.6	19.25	125	768	2666	6	3 - 10.4Gt/S	No
Gold	5119T	14	1.9	19.25	85	768	2400	6	2 - 10.4Gt/S	No
Gold	5120T	14	2.2	19.25	105	768	2400	6	2 - 10.4Gt/S	No

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Gold Family - 768GB Memory Per Socket and Integrated OPA

Gold	6148F	20	2.4	27.5	160	768	2666	6	3 - 10.4Gt/S	Yes
Gold	6142F	16	2.6	22	160	768	2666	6	3 - 10.4Gt/S	Yes
Gold	6138F	20	2.0	27.5	135	768	2666	6	3 - 10.4Gt/S	Yes
Gold	6130F	16	2.1	22	135	768	2666	6	3 - 10.4Gt/S	Yes
Gold	6126F	12	2.6	19.25	135	768	2666	6	3 - 10.4Gt/S	Yes
Gold	5117F	14	2.0	19.25	105	768	2400	6	2 - 10.4Gt/S	Yes

Silver Family - 768GB Memory Per Socket

Silver	4116	12	2.1	16.5	85	768	2400	6	2 - 9.6Gt/S	No
Silver	4114	10	2.2	13.75	85	768	2400	6	2 - 9.6Gt/S	No
Silver	4112	4	2.6	8.25	85	768	2400	6	2 - 9.6Gt/S	No
Silver	4110	8	2.1	11	85	768	2400	6	2 - 9.6Gt/S	No
Silver	4108	8	1.8	11	85	768	2400	6	2 - 9.6Gt/S	No

Silver Family - 768GB Memory Per Socket and Lower TDP

Silver	4116T	12	2.1	16.5	85	768	2400	6	2 - 9.6Gt/S	No
Silver	4114T	10	2.2	13.75	85	768	2400	6	2 - 9.6Gt/S	No
Silver	4109T	8	2.0	11	70	768	2400	6	2 - 9.6Gt/S	No

Bronze Family - 768GB Memory Per Socket

Bronze	3106	8	1.7	11	85	768	2133	6	2 - 9.6Gt/S	No
Bronze	3104	6	1.7	8.25	85	768	2133	6	2 - 9.6Gt/S	No