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Server Products

Intel® Xeon® Processor-based Servers Supported processor list

The list of Intel® Processors provided are validated and qualified for use in Intel® 5000 Chipset family-based server products. This includes Intel® Server Products manufactured with the Intel® 5000X Chipset, Intel® 5000P, and Intel® 5000V Chipset. A complete list of Intel® Server Products validated and qualified to use Multi-Core Intel® Xeon® processors 5000 sequence are listed at the bottom of this page.

Intel® Server Products designed for the Multi-Core Intel® Xeon® processor 5000 sequence support up to two processors in a dual-processing (DP) configuration. For your convenience, there is a hyperlink for each of the processors featured. These hyperlinks will route you to the [Intel® Processor Spec Finder](#) tool, providing you with processor specifications and information.

Processors not listed on this page should not be used on these servers. Processors not list are considered invalidated and unqualified for use with the Intel® Server Products listed at the bottom of this page, and should not be used with these servers.

Quad-Core Intel® Xeon® processor 5400 series: (note 14)

CPU Number	sSpec Number	Core Speed	Bus Speed	L2 Cache Size	Core Stepping	Notes (See Below)
X5460	SLANP	3.16 GHz	1333 MHz	12 MB	C0	4,11,14,15
X5450	SLASB	3.00 GHz	1333 MHz	12 MB	C0	4,11,14,15
E5450	SLANQ	3.00 GHz	1333 MHz	12 MB	C0	4,12,14,15
E5440	SLANS	2.83 GHz	1333 MHz	12 MB	C0	4,12,14,15
E5430	SLANU	2.66 GHz	1333 MHz	12 MB	C0	4,12,14,15
E5420	SLANV	2.50 GHz	1333 MHz	12 MB	C0	4,12,14,15
E5410	SLANW	2.33 GHz	1333 MHz	12 MB	C0	4,12,14,15
E5405	SLAP2	2.00 GHz	1333 MHz	12 MB	C0	4,12,14,15

Quad-Core Intel® Xeon® processor 5300 series:

CPU Number	sSpec Number	Core Speed	Bus Speed	L2 Cache Size	Core Stepping	Notes (See Below)
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X5365	SLEAD	3.00GHz	1333 MHz	8 MB	G0	4,5,9
X5355	SLAC4	2.66 GHz	1333 MHz	8 MB	B3	4,5
X5355	SL9YM	2.66 GHz	1333 MHz	8 MB	B3	4,5
X5355	SLAEG	2.66 GHz	1333 MHz	8 MB	G0	4,5,9
E5345	SLAC5	2.33 GHz	1333 MHz	8 MB	B3	4,5
E5345	SL9YL	2.33 GHz	1333 MHz	8 MB	B3	4,5
E5345	SLAEJ	2.33 GHz	1333 MHz	8 MB	G0	4,5,9
E5335	SLAC7	2.00 GHz	1333 MHz	8 MB	B3	4,5
E5335	SL9YK	2.00 GHz	1333 MHz	8 MB	B3	4,5
E5335	SLAEK	2.00 GHz	1333 MHz	8 MB	G0	4,5,9
L5335	SLAEN	2.00 GHz	1333 MHz	8 MB	G0	4,5,6,9
E5320	SLAC8	1.86 GHz	1066 MHz	8 MB	B3	4,5
E5320	SL9MV	1.86 GHz	1066 MHz	8 MB	B3	4,5
E5320	SLAEL	1.86 GHz	1066 MHz	8 MB	G0	4,5,9
L5320	SLAC9	1.86 GHz	1066 MHz	8 MB	B3	4,5,6
L5320	SLA4Q	1.86 GHz	1066 MHz	8 MB	B3	4,5,6
L5320	SLAEP	1.86 GHz	1066 MHz	8 MB	G0	4,5,6,9
E5310	SLACB	1.60 GHz	1066 MHz	8 MB	B3	4,5
E5310	SL9XR	1.60 GHz	1066 MHz	8 MB	B3	4,5
E5310	SLAEM	1.60 GHz	1066 MHz	8 MB	G0	4,5,9
L5310	SLACA	1.60 GHz	1066 MHz	8 MB	B3	4,5,6
L5310	SLAEQ	1.60 GHz	1066 MHz	8 MB	B3	4,5,6
L5310	SL9MT	1.60 GHz	1066 MHz	8 MB	B3	4,5,6
L5310	SLAEQ	1.60 GHz	1066 MHz	8 MB	G0	4,5,6,9

Dual-Core Intel® Xeon® processor 5200 series: (note 14)

CPU Number	sSpec Number	Core Speed	Bus Speed	L2 Cache Size	Core Stepping	Notes (See Below)
X5260	SLANJ	3.33 GHz	1333 MHz	6 MB	C0	4,12,14,15
E5205	SLANG	1.86 GHz	1066 MHz	6 MB	C0	13, 14, 15

Dual-Core Intel® Xeon® processor 5100 series:

CPU Number	sSpec Number	Core Speed	Bus Speed	L2 Cache Size	Core Stepping	Notes (See Below)
5160	SLABS	3.00 GHz	1333 MHz	4 MB	B2	2
5160	SL9RT	3.00 GHz	1333 MHz	4 MB	B2	2

5160	SLAG9	3.00 GHz	1333 MHz	4 MB	G0	9
5150	SLABM	2.66 GHz	1333 MHz	4 MB	B2	2
5150	SL9RU	2.66 GHz	1333 MHz	4 MB	B2	2
5150	SLAGA	2.66 GHz	1333 MHz	4 MB	G0	9
5148	SLABH	2.33 GHz	1333 MHz	4 MB	B2	2,7
5148	SL9RR	2.33 GHz	1333 MHz	4 MB	B2	2,7
5148	SLAG4	2.33 GHz	1333 MHz	4 MB	G0	7,9
5140	SLABN	2.33 GHz	1333 MHz	4 MB	B2	2
5140	SL9RW	2.33 GHz	1333 MHz	4 MB	B2	2
5140	SLAGB	2.33 GHz	1333 MHz	4 MB	G0	9
5138	SL9RN	2.13 GHz	1066 MHz	4 MB	B2	8
5138	SLAG3	2.13 GHz	1066 MHz	4 MB	G0	9
5130	SLABP	2.00 GHz	1333 MHz	4 MB	B2	2
5130	SL9RX	2.00 GHz	1333 MHz	4 MB	B2	2
5130	SLAGC	2.00 GHz	1333 MHz	4 MB	G0	9
5128	SLAG6	1.86 GHz	1066 MHz	4 MB	G0	7,9
5120	SLABQ	1.86 GHz	1066 MHz	4 MB	B2	2
5120	SL9RY	1.86 GHz	1066 MHz	4 MB	B2	2
5120	SLAGD	1.86 GHz	1066 MHz	4 MB	G0	9
5110	SLABR	1.60 GHz	1066 MHz	4 MB	B2	2
5110	SL9RZ	1.60 GHz	1066 MHz	4 MB	B2	2
5110	SLAGE	1.60 GHz	1066 MHz	4 MB	G0	9

Dual-Core Intel® Xeon® processor 5000 series:

CPU Number	sSpec Number	Core Speed	Bus Speed	L2 Cache Size	Core Stepping	Notes (see below)
5030	SL96E	2.67 GHz	667 MHz	2x2MB	C1	
5050	SL96C	3.00 GHz	667 MHz	2x2MB	C1	
5060	SL96A	3.20 GHz	1066 MHz	2x2MB	C1	
5063	SL96B	3.20 GHz	1066 MHz	2x2MB	C1	1
5080	SL968	3.73 GHz	1066 MHz	2x2MB	C1	

Notes:

1. Intel® Xeon® processor 5063 is a medium voltage sku with lower wattage consumption, ideal for rack servers.
2. Your Intel® Server Board requires BIOS version 54, or later to support this processor.
3. Intel® Xeon® processor 5148 is a low voltage sku with lower wattage consumption, ideal for rack servers.

4. Quad-Core Intel® Xeon® processor 5200, 5300 and 5400 series employ Intel® Advanced Smart Cache (Shared Cache). Features 4MB Smart Cache per core pair.
5. [Important Information on Support](#) of Quad-Core Intel® Xeon® processor 5300 series
6. These processors have a Thermal Design Power of 50 watts
7. These processors have a Thermal Design Power of 40 watts
8. Thermal Design Power of 35 watts
9. Your Intel® Server Board requires BIOS version 79, or later to support this processor.
10. These processors have a Thermal Design Power of 150 watts
11. These processors have a Thermal Design Power of 120 watts
12. These processors have a Thermal Design Power of 80 watts
13. These processors have a Thermal Design Power of 65 watts
14. These processors are the 45nm manufacturing process. Your Intel® Server Board requires BIOS version 84 or later to support this processor.
15. Intel has been updating its current lineup of Intel® Server Boards and Intel® Server Systems in order to support the new Intel® Xeon® processors based on 45nm technology. Refer to the [new product order codes](#) to ensure you order the correct product.

This applies to:

[Intel® Server Board S5000PAL](#) [Intel® Server Board S5000XSL](#)
[Intel® Server Board S5000PSL](#) [Intel® Server System SC5400RA](#)
[Intel® Server Board S5000VSA](#) [Intel® Workstation Board S5000XVN](#)
[Intel® Server Board S5000XAL](#)

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