

It's a new era of datacentric computing fueled by cloud, 5G edge computing, and artificial intelligence. Intel has an unparalleled portfolio of leadership products optimized for the New 2nd Generation Intel® Xeon® Scalable processor that accelerate insights and business agility. The opportunities from server modernization are massive.

- · Maximize the value of data with faster analytics
- Deploy and scale AI workloads on a single architecture
- · Boost hybrid cloud scalability, performance, and efficiency

Intel is delivering comprehensive and industry leading platform capabilities to address the broadest spectrum of data center workload demands. Now is the time to modernize core data center infrastructure and ultimately drive business transformation.

What's In the NEW 2nd Gen Intel® Xeon® Scalable Processor?

- Improved Turbo frequencies, up to 4.5 GHz
- Improved base frequencies, up to 3.9 GHz
 - Support for Intel® Optane™ DC persistent memory
 - Up to 44% more processor cache¹

Building on the record-breaking momentum of the new 2nd Gen Intel Xeon Scalable processors, and through our continued innovation in product design and production, Intel is pleased to deliver customers continued performance and value with an exciting selection of new 2nd Gen Intel Xeon Scalable processors. These new processors offer unique benefits to meet customer needs through enhanced performance and value, all delivered at similar or lower recommended customer pricing.²

Next Gen Performance Gains

UNPRECEDENTED MAINSTREAM PERFORMANCE/\$

UP TO 25-36%

SIR PERFORMANCE IMPROVEMENT³

DELIVERING RAPID ENHANCEMENTS TO SUPPORT IMMEDIATE CUSTOMER NEEDS

SKU list

= New Processors

L = Large DDR Memory Tier Support Available (up to 4.5TB)

Intel® Xeon® Scalable Processor Name	Product Code	Cores	Turbo	Base	Cache	TDP	Support for Intel® Optane™ DC Persistent Memory	
Platinum 8276	CD8069504195501	28	4.0	2.2	38.5	165	Yes	ı
Platinum 8260	CD8069504201101	24	3.9	2.4	35.7	165	Yes	L
Platinum 8253	CD8069504194601	16	3.0	2.2	35.7	165	Yes	
Gold 6252	CD8069504194401	24	3.7	2.1	35.75	150	Yes	
	BX806956252							
Gold 6248R	CD8069504449401	24	4.0	3.0	35.75	205	Yes	
Gold 6248	CD8069504194301	20	3.9	2.5	27.5	150	Yes	
	BX806956248							
Gold 6240R	CD8069504448600	24	4.0	2.4	35.75	165	Yes	
	BX806956240R							
Gold 6240	CD8069504194001	18	3.9	2.6	24.75	150	Yes	ι
	BX806956240							
Gold 6238R	CD8069504448701	28	4.0	2.2	38.5	165	Yes	
	BX806956238R							
Gold 6238	CD8069504283104	22	3.7	2.1	30.25	140	Yes	L
Gold 6230R	CD8069504448800	26	4.0	2.1	35.75	150	Yes	
	BX806956230R							
Gold 6230	CD8069504193701	20	3.9	2.1	27.5	125	Yes	
	BX806956230							
Gold 5220R	CD8069504451301	24	4.0	2.2	35.75	150	Yes	
	BX806955220R							
Gold 5220	CD8069504214601	18	3.9	2.2	24.75	125	Yes	
	BX806955220							
Gold 5218R	CD8069504446300	20	4.0	2.1	27.5	125	Yes	
	BX806955218R							
Gold 5218	CD8069504193301	16	3.9	2.3	22	125	Yes	
	BX806955218							
Silver 4216	CD8069504213901	16	3.2	2.1	16.5	100		
	BX806954216							

Intel® Xeon® Scalable Processor Name	Product Code	Cores	Turbo	Base	Cache	TDP	Support for Intel® Optane™ DC Persistent Memory
Gold 4214R	CD8069504343701	12	3.5	2.4	16.5	100	
	BX806954214R						
Silver 4214	CD8069504212601	12	3.2	2.2	16.5	85	
Silver 4210R	CD8069504344400	10	3.2	2.4	13.75	100	
	BX806954210R						
Silver 4210	CD8069503956302	10	3.2	2.2	13.75	85	
Silver 4208	CD8069503956401	8	3.2	2.1	11	85	
Bronze 3206R	CD8069504344600	8	1.9	1.9	11	85	
	BX806953206R						
Bronze 3204	CD8069503956700	6	1.9	1.9	8.25	85	

Advance Performance

Intel® Xeon® Scalable Processor Name	Product Code	Cores	Turbo	Base	Cache	TDP	Support for Intel® Optane™ DC Persistent Memory
9282	N/A	56	3.8	2.6	77	400	
9242	N/A	48	3.8	2.3	71.5	350	
9222	N/A	32	3.7	2.3	71.5	250	
9221	N/A	32	3.7	2.1	71.5	250	

Optimized For Highest Per-Core Scalable Performance

Intel® Xeon® Scalable Processor Name	Product Code	Cores	Turbo	Base	Cache	TDP	Support for Intel® Optane™ DC Persistent Memory
Platinum 8280	CD8069504228001	28	4.0	2.7	38.5	205	Yes
Platinum 8270	CD8069504195201	26	4.0	2.7	35.75	205	Yes
Platinum 8268	CD8069504195101	24	3.9	2.9	35.75	205	Yes
Platinum 8256	CD8069504194701	4	3.9	3.8	16.5	105	Yes
Gold 6258R	CD8069504449301	28	4.0	2.7	38.5	205	Yes
Gold 6256	CD8069504425301	12	4.5	3.6	33	205	Yes
Gold 6254	CD8069504194501	18	4.0	3.1	24.75	200	Yes
Gold 6250	CD8069504425402	8	4.5	3.9	35.75	185	Yes
Gold 6246R	CD8069504449801	16	4.1	3.4	35.75	205	Yes
Gold 6246	CD8069504282905	12	4.2	3.3	24.75	165	Yes
Gold 6244	CD8069504194202	8	4.4	3.6	24.75	150	Yes
Gold 6242R	CD8069504449601	20	4.1	3.1	35.75	205	Yes
Gold 6242	CD8069504194101	16	3.9	2.8	22	150	Yes
Gold 6234	CD8069504194101	8	4.0	3.3	24.75	130	Yes
Gold 6226R	CD8069504449000	16	3.9	2.9	22	150	Yes
	BX806956226R						
Gold 6226	CD8069504283404	12	3.7	2.7	19.25	125	Yes
Gold 5222	CD8069504193501	4	3.9	3.8	16.5	105	Yes

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Featuring Intel® Speed Select Technology-Performance Profile (SST-PP, "3 in 1")

Intel® Xeon® Scalable Processor Name	Product Code	Cores	Turbo	Base	Cache	TDP	Support for Intel® Optane™ DC Persistent Memory
Platinum 8260Y	CD8069504200902	24	3.9	2.4	35.75	165	Yes
Gold 6240Y	CD8069504200501	18	3.9	2.6	24.75	150	Yes
Bronze 4214Y	CD8069504294401	12	3.2	2.2	16.5	85	

NETWORKING/NFV Specialized (incl. Intel® Speed Select Technology -BF)

Intel® Xeon® Scalable Processor Name	Product Code	Cores	Turbo	Base	Cache	TDP	Support for Intel® Optane™ DC Persistent Memory
Gold 6252N	CD8069504294401	24	3.6	2.3	35.75	150	Yes
Gold 6230N	CD8069504283604	20	3.5	2.3	27.5	125	Yes
Gold 5218N	CD8069504384601	16	3.9	2.3	22	105	Yes

VM Density VALUE Specialized

Intel® Xeon® Scalable Processor Name	Product Code	Cores	Turbo	Base	Cache	TDP	Support for Intel® Optane™ DC Persistent Memory
Gold 6262V	CD8069504285004	24	3.6	1.9	33	135	Yes
Gold 6222V	CD8069504285204	20	3.6	1.8	27.5	115	Yes

Long-Life Cycle and NEBS-Thermal Friendly

Intel® Xeon® Scalable Processor Name	Product Code	Cores	Turbo	Base	Cache	TDP	Support for Intel® Optane™ DC Persistent Memory
Gold 6238T	CD8069504200401	22	3.7	1.9	30.25	125	Yes
Gold 6230T	CD8069504283704	20	3.9	2.1	27.5	125	Yes
Gold 5220T	CD8069504283006	18	3.9	1.9	24.75	105	Yes
Gold 5218T	CD8069504283204	16	3.8	2.1	22	105	Yes
Bronze 4210T	CD8069504444900	10	3.2	2.3	13.75	95	
Bronze 4209T	CD8069503956900	8	3.2	2.2	11	70	

Search Application VALUE Specialized

Intel® Xeon® Scalable Processor Name	Product Code	Cores	Turbo	Base	Cache	TDP	Support for Intel® Optane™ DC Persistent Memory
Gold 5520S	CD8069504283804	18	3.9	2	24.75	125	Yes

Single-Socket VALUE Specialized

Intel® Xeon® Scalable Processor Name	Product Code	Cores	Turbo	Base	Cache	TDP	Support for Intel® Optane™ DC Persistent Memory
Gold 6212U	CD8069504198002	24	3.9	2.4	35.75	165	Yes
Gold 6210U	CD8069504198101	20	3.9	2.5	27.5	150	Yes
Gold 6209U	CD8069504284804	20	3.9	2.1	27.5	125	Yes
Gold 6208U	CD8069504449101	16	3.9	2.9	22	150	Yes

Sales Support for the 2nd Gen Intel Xeon Scalable Platform

Training

Selling 2nd Generation Intel® Xeon® Scalable processors and the Latest Memory Innovations: http://channeltraining.intel.com/diweb/gateway/ init/1/f/catalog*2Fitem*2Feid*2F295828

Selling 2nd Generation Intel® Xeon® Scalable processors Workload-Optimized SKUs: http://channeltraining.intel.com/diweb/gateway/init/1/f/ cataloa*2Fitem*2Feid*2F295828

Sales Tools & Resources

Selling Resources: intel.com/itp-xeonsp

Intel® Xeon® processor advisor tool suite: https://xeonprocessoradvisor.intel.com/

Tools for insight to help you transition customers to the right Intel® Xeon® Scalable processor for their workload.

Scale IT Up Tool: http://scaleitup.intel.com

Side by side comparisons demonstrate the total cost of ownership benefits and help you position the power of upgrading storage and networking as well as software to unleash the full potential of the CPU.



¹Comparing new 2nd Gen Intel[®] Xeon Scalable processors to current new 2nd Gen Intel[®] Xeon Scalable processors

²Comparing all Intel® Xeon® Gold 6200R processors to current Intel® Xeon® Gold 6200 processors

³ Intel estimated performance based on expected increase in frequency and core counts of the 'New Mainstream SKUs' versus existing comparable SKU, SIR = SPECrate2017_int_base, a SPEC CPU2017 benchmark, SPEC.org

Intel estimated performance based on increase in frequency and core count new 2nd Gen Intel® Xeon® Scalable processor versus current 2nd Gen Intel® Xeon® Scalable processor". For more complete information about performance and benchmark results, visit www.intel.com/benchmarks.

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Tests document performance of components on a particular test, in specific systems. Differences in hardware, software, or configuration will affect actual performance. For more complete information about performance and benchmark results, visit http://www.intel.com/benchmarks

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Intel Advanced Vector Extensions (Intel AVX) provides higher throughput to certain processor operations. Due to varying processor power characteristics, utilizing AVX instructions may cause a) some parts to operate at less than the rated frequency and b) some parts with Intel® Turbo Boost Technology 2.0 to not achieve any or maximum turbo frequencies. Performance varies depen hardware, software, and system configuration and you can learn more at http://www.intel.com/go/turbo.

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