

## News Release

October 7, 2019

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### NEWS HIGHLIGHTS

- Intel announces the newest generation of Intel® Xeon® W-2200 and X-series platforms, targeting availability in November.
- With both platforms, Intel continues to trailblaze with artificial intelligence (AI) in computing, enabling AI acceleration with Intel® Deep Learning Boost in high-end desktop (HEDT) PCs and mainstream workstations for the first time.
- Intel introduces new pricing for Xeon, X-series and select Intel® Core™ processors, continuing its charter to deliver more value and accessibility to customers end-to-end across its portfolio of leadership products.

SANTA CLARA, Calif., Oct. 7, 2019 – Intel today unveiled its latest lineup of Intel Xeon W and X-series processors, which puts new classes of computing performance and AI acceleration into the hands of professional creators and PC enthusiasts. Custom-designed to address the diverse needs of these growing audiences, the new Xeon W-2200 and X-series processors are targeted to be available starting November, along with a new pricing structure that represents an easier step up for creators and enthusiasts from Intel Core S-series mainstream products.

Intel is the only company that delivers a full portfolio of products precision-tuned to handle the sustained compute-intensive workloads used by professional creators and enthusiasts every day. The new Xeon W-2200 and X-series processors take this to the next level, as the first high-end desktop PC and mainstream workstations to feature AI acceleration with the integration of Intel Deep Learning Boost. This offers an AI inference boost of 2.2 times<sup>1</sup> more compared with the prior generation. Additionally, this new lineup features Intel® Turbo Boost Max Technology 3.0, which has been further enhanced to help software, such as for simulation and modeling, run as fast as possible by identifying and prioritizing the fastest available cores.

“The professional and enthusiast communities require product engineering that caters to their specific mission-critical needs and keeps them on the cutting edge of technology advancements. This means the best hardware and software optimizations, but also looking at how we can infuse things like AI acceleration,” said Frank Soqui, Intel vice president and general manager of Desktop, Workstation and Channel Group. “No matter if you are a data scientist, cinema creator or freelancer, Intel Xeon W and X-series offer power and flexibility of choice, enabling you to keep working creatively and competitively across even the most intensive workloads.”







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**The Ultimate Professional Creator**





## Platform

For professional creators, the Intel Xeon

W-2200 platform is the ultimate option. These eight new processors (W-2295, W-2275, W-2265, W-2255, W-2245, W-2235, W-2225 and W-2223) deliver outstanding performance and expanded platform capabilities for data science, visual effects, 3D rendering, complex 3D CAD, AI development and edge deployments. They can be used in configurable form-factors – from small desktop to towers – as well as include built-in platform security features and reliability, such as ECC support and Intel vPro™, which creative professionals demand. For example, the 3D architectural rendering process on Autodesk Revit with V-Ray accelerates up to 10 percent faster<sup>2</sup> compared with the previous generation and up to 2 times faster compared with a 3-year-old workstation<sup>3</sup>.

New Xeon W prices range from \$294 to \$1,333, enabling Intel to build the platform and partners to grow their workstation product options.

For additional product details, visit the [Intel Xeon W-2200 product brief](#).

## Bridging the Enthusiast and the Creator

For freelancers, prosumers and desktop enthusiasts who may not need commercial-grade features, Intel Core X-series processors provide the performance with the added flexibility of overclocking<sup>4</sup> capabilities. These four new processors (i9-10980XE, i9-10940X, i9-10920X and i9-10900X) are especially suited for advanced workflows that vary in need for photo/video editing, game development and 3D animation. Additionally, they deliver enthusiast-ready enhanced features, like Intel Performance Maximizer that makes it easy to dynamically and reliably custom-tune the unlocked processors based on the X-series' individual performance DNA.

New X-series prices range from \$590 to \$979. With the creator segment's need for more computing-intensive and specific workloads, the new pricing enables X-series to be more accessible to the creators looking for even more compute-intensive workloads than Intel's mainstream desktop processors.

For additional product details, visit the [Intel X-series product brief](#).

## Additional Pricing Refinements

In addition to Intel Xeon W and X-series, Intel is also introducing new pricing to its Intel Core S-series processors without integrated graphics. Intel is committing to these processors in its long-term roadmap, which has given Intel the opportunity to reset where it fits in the portfolio and pricing. The new prices are effective starting today, with the 9th Gen Intel Core desktop processors currently in market.

## SKU Tables

Processor	Core Count	Thread Count	Cache (MB)	Max Turbo Freq (GHz)	Max Turbo Power (W)	Max Turbo Temp (°C)	Max Turbo Voltage (V)	Max Turbo Current (A)	Max Turbo Power (W)	Max Turbo Temp (°C)	Max Turbo Voltage (V)	Max Turbo Current (A)	Max Turbo Power (W)	Max Turbo Temp (°C)	Max Turbo Voltage (V)	Max Turbo Current (A)
Intel Xeon W-2295	16	20	30	5.3	150	100	1.35	100	150	100	1.35	100	150	100	1.35	100
Intel Xeon W-2275	12	16	24	5.0	135	100	1.35	100	135	100	1.35	100	135	100	1.35	100
Intel Xeon W-2265	10	13	20	4.8	125	100	1.35	100	125	100	1.35	100	125	100	1.35	100
Intel Xeon W-2255	8	12	16	4.7	115	100	1.35	100	115	100	1.35	100	115	100	1.35	100
Intel Xeon W-2245	6	10	12	4.6	105	100	1.35	100	105	100	1.35	100	105	100	1.35	100
Intel Xeon W-2235	4	8	8	4.5	95	100	1.35	100	95	100	1.35	100	95	100	1.35	100
Intel Xeon W-2225	4	8	8	4.4	85	100	1.35	100	85	100	1.35	100	85	100	1.35	100
Intel Xeon W-2223	4	8	8	4.3	75	100	1.35	100	75	100	1.35	100	75	100	1.35	100

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Processor	Core Count	Thread Count	Cache (MB)	Max Turbo Freq (GHz)	Max Turbo Power (W)	Max Turbo Temp (°C)	Max Turbo Voltage (V)	Max Turbo Current (A)	Max Turbo Power (W)	Max Turbo Temp (°C)	Max Turbo Voltage (V)	Max Turbo Current (A)	Max Turbo Power (W)	Max Turbo Temp (°C)	Max Turbo Voltage (V)	Max Turbo Current (A)
Intel Core i9-10980XE	18	28	30	5.3	150	100	1.35	100	150	100	1.35	100	150	100	1.35	100
Intel Core i9-10940X	14	20	24	5.0	135	100	1.35	100	135	100	1.35	100	135	100	1.35	100
Intel Core i9-10920X	12	16	20	4.8	125	100	1.35	100	125	100	1.35	100	125	100	1.35	100
Intel Core i9-10900X	10	16	16	4.7	115	100	1.35	100	115	100	1.35	100	115	100	1.35	100

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Performance results are based on testing as of the date set forth in the configurations and may not reflect all publicly available security updates. See configuration disclosure for details. No product or component can be absolutely secure.

Software and workloads used in performance tests may have been optimized for performance only on Intel microprocessors. Performance tests, such as SYSmark\* and MobileMark\*, are measured using specific computer systems, components, software, operations and functions. Any change to any of those factors may cause the results to vary. You should consult other information and performance tests to assist you in fully evaluating your contemplated purchases, including the performance of that product when combined with other products. For more complete information about performance and benchmark results, visit [intel.com/benchmarks](http://intel.com/benchmarks).

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<sup>1</sup>As measured by AI inference throughput using AIXPRT Community Preview 2 with Int8 precision on ResNet-50 comparing Intel® Xeon® W-2295 vs. Intel® Xeon® W-2195

<sup>2</sup>As measured by Autodesk Revit® 3D architectural model rendering workload comparing Intel® Xeon® W-2295 vs. Intel® Xeon® W-2195

<sup>3</sup>As measured by Autodesk Revit® 3D architectural model rendering workload comparing Intel® Xeon® W-2295 vs. Intel® Xeon® E5-1680 v4

<sup>4</sup>Altering clock frequency or voltage may damage or reduce the useful life of the processor and other system components, and may reduce system stability and performance. Product warranties may not apply if the processor is operated beyond its specifications. Check with the manufacturers of system and components for additional details.

Tags: [Intel Core](#), [Intel Xeon](#)

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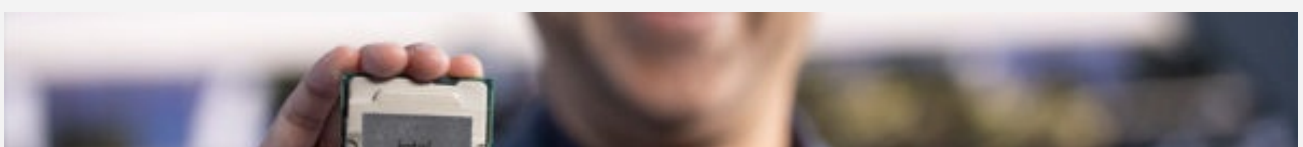
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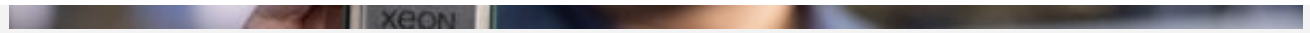
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