Intel **XEON** inside™

VISUALIZE, RENDER AND COMPILE BETTER THAN BEFORE

NEW INTEL® XEON® W-2200 PROCESSORS

THE ULTIMATE CREATOR PLATFORM

The new Intel® Xeon® W-2200 workstation processors deliver the power and scalability to turn your creative visions into reality. Designed for intense multi-threaded workloads to stay productive, these processors are built for handling your most demanding tools and applications

PRODUCT BRIEF	VIDEO
Link*	Link*

4K Video Editing

UP TO
11%
FASTER[1]
vs. previous generation

UP TO
97%
FASTER[4]
vs. a 3 yr. old workstation

3D Architecture Rendering

UP TO
10%
FASTER[2]
vs. previous generation

UP TO
2X
FASTER[5]
vs. a 3 yr. old workstation

Game Development Compiling

UP TO
10%
FASTER[3]
vs. previous generation

UP TO
2.1X
FASTER[6]
vs. a 3 yr. old workstation

TAKE PERFORMANCE TO ANOTHER LEVEL
NEW INTEL® XEON® W-2200 PROCESSORS

intel XEON inside™

Create without limits. Boost your productivity to the next level. Intel® Xeon® W-2200 workstation processors will help you get to the finish line fast and with accuracy.

UP TO
14%
FASTER[7]
vs. a 3 yr. old workstation

3D Animation Rendering

UP TO
2.6X
BETTER[8]
vs. a 3 yr. old workstation

Compute Intensive Application Performance

- **NEW** up to 4.8 GHz
- **NEW** up to 1 TB DDR4-2933 support[9]
- **NEW** Intel® Turbo Boost Max Technology 3.0
- **NEW** Intel® Deep Learning Boost
- **NEW** 2.5G Intel® Ethernet Controller I225 (Foxville) support
- **NEW** Intel® Wi-Fi 6 AX200 (Gig+) support

- Up to 18 cores with Intel® Hyper-Threading Technology
- Up to 48 processor PCIe lanes on all SKUs
- Error-correcting code (ECC) support
- Built-in reliability, availability, and serviceability (RAS)
- Intel® Virtual RAID On CPU (Intel® VROC) support
- Thunderbolt™ 3 support
- Intel® Optane™ SSD 905P support
- Intel vPro® Platform

For more complete information about performance and benchmark results, visit www.intel.com/benchmarks

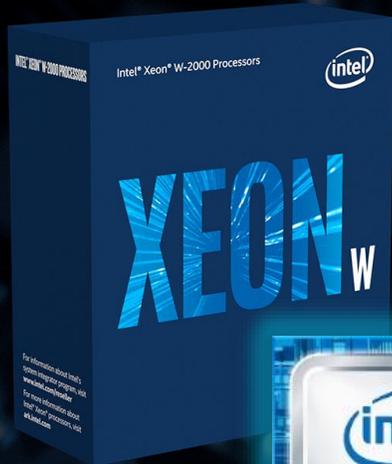7. As measured by Autodesk Maya 3D animation rendering workload comparing Intel® Xeon® W-2295 vs. Intel® Xeon® E5-1680v4
8. As measured by SPECrate2017_int_base ncopy comparing Intel® Xeon® W-2295 vs. Intel® Xeon® E5-1680v4
9. Support for 1 DPC @ 2933 MHz and 2 DPC @ 2666 MHz

ULTIMATE CREATOR PLATFORM FOR CREATIVE PROS
NEW INTEL® XEON® W-2200 WORKSTATION PROCESSOR GUIDE

	Intel® Xeon® W-2225	Intel® Xeon® W-2223	Intel® Xeon® W-2235	Intel® Xeon® W-2245	Intel® Xeon® W-2255	Intel® Xeon® W-2265	Intel® Xeon® W-2275	Intel® Xeon® W-2295
Cores / Threads	4/8	4/8	6/12	8/16	10/20	12/24	14/28	18/36
Intel® Turbo Boost Max 3.0 Frequency	N/A	N/A	N/A	4.7 GHz	4.7 GHz	4.8 GHz	4.8 GHz	4.8 GHz
Intel® Turbo Boost Technology – Max Single Core Turbo Frequency	4.6 GHz	3.9 GHz	4.6 GHz	4.5 GHz	4.5 GHz	4.6 GHz	4.6 GHz	4.6 GHz
Intel® Smart Cache	8.25 MB	8.25 MB	8.25 MB	16.5 MB	19.25 MB	19.25 MB	19.25 MB	24.75 MB
Thermal Design Power (TDP)	105W	120W	130W	155W	165W	165W	165W	165W
Memory Support	Up to 4 channels of up to 1 TB DDR4 @ 2933Mhz with ECC							
Intel® Technologies	Intel vPro® Platform, Intel® Optane® Technology, Reliability Accessibility and Serviceability (RAS)							
Platform PCIe 3.0 Lanes	Up to 72 lanes							

Intel® processor numbers are not a measure of performance. Processor numbers differentiate features within each processor family, not across different processor families.
All processors are lead-free (per EU RoHS directive July 2006) and halogen free (residual amounts of halogens are below November 2007 proposed IPC/JEDEC J-STD-709 standards)
All processors support Intel® Virtualization Technology (Intel® VT-x)

NOTE: Intel® Xeon® W-2223 and W-2235 are available in box and tray. The remaining SKUs are available in tray only

DISCLAIMERS AND CONFIGURATIONS

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 http://www.intel.com/benchmarks

Performance results are based on testing by Intel Corporation as of November 11, 2019 and may not reflect all publicly available security updates. See configuration disclosure for details. No product can be absolutely secure.

System Configurations:

Test done by Intel as of 9/23/19:

- Intel® Xeon® W-2295 Processor, PL1=165W TDP, 18C36T, Turbo up to 4.8GHz, Motherboard: Intel Glacier Falls Reference Platform, Graphics: NVIDIA QUADRO P2000, Gfx version: 431.7, Memory: 4x64GB DDR4 2933, Storage: 1TB Intel® Optane™ SSD 905P, OS: Windows* 10 Pro 1903 v295 19H1(RS6)

- Intel® Xeon® W-2195 Processor, PL1=140W TDP, 18C36T, Turbo up to 4.3GHz, Motherboard: ASUS C422 SAGE, Motherboard Type: Production, Graphics: NVIDIA QUADRO P2000, Gfx version: 431.7, Memory: 4x64GB DDR4 2666, Storage: 1TB Intel® Optane™ SSD 905P, OS: Windows* 10 Pro 1903 v295 19H1(RS6), BIOS Version 1202

- Intel® Xeon® E5-1680v4 Processor, PL1=140W TDP, 8C16T, Turbo up to 4.0GHz, Motherboard: ASUS Z-10PA, Motherboard Type: Production, Graphics: NVIDIA QUADRO P2000, Gfx version: 431.7, Memory: 4x32GB DDR4 2400, Storage: 1TB Intel® Optane™ SSD 905P, OS: Windows* 10 Pro 1903 v295 19H1(RS6), BIOS Version 3801

Test done by Intel as of 11/11/19:

- Intel® Xeon® W-2295 Processor, PL1=165W TDP, 18C36T, Turbo up to 4.8GHz, Motherboard: ASUS C422 SAGE, Motherboard Type: production, Graphics: NVIDIA QUADRO P2000, Gfx version: 431.7, Memory: 4x64GB DDR4 2933, Storage: 1TB Intel® Optane™ SSD 905P, OS: Windows* 10 Pro 1903 v295 19H1(RS6)

- Intel® Xeon® W-2195 Processor, PL1=140W TDP, 18C36T, Turbo up to 4.3GHz, Motherboard: ASUS C422 SAGE, Motherboard Type: Production, Graphics: NVIDIA QUADRO P2000, Gfx version: 431.7, Memory: 4x64GB DDR4 2666, Storage: 1TB Intel® Optane™ SSD 905P, OS: Windows* 10 Pro 1903 v295 19H1(RS6), BIOS Version 1202

- Intel® Xeon® E5-1680v4 Processor, PL1=140W TDP, 8C16T, Turbo up to 4.0GHz, Motherboard: ASUS Z-10PA, Motherboard Type: Production, Graphics: NVIDIA QUADRO P2000, Gfx version: 431.7, Memory: 4x32GB DDR4 2400, Storage: 1TB Intel® Optane™ SSD 905P, OS: Windows* 10 Pro 1903 v295 19H1(RS6), BIOS Version 3801