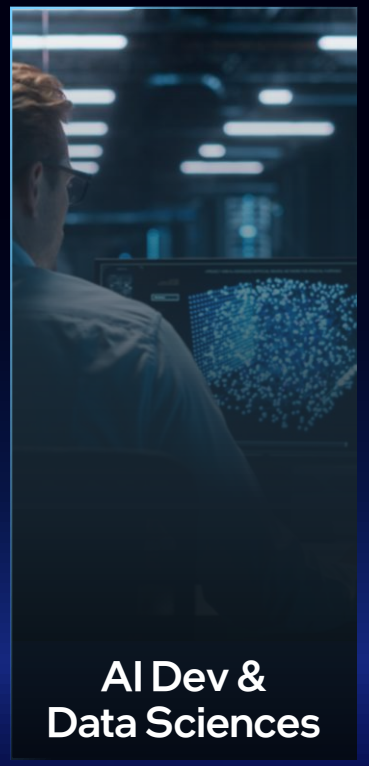
# Unleashed Heavy-Duty Computing

**Jonathan Patton**
Client Product Marketing

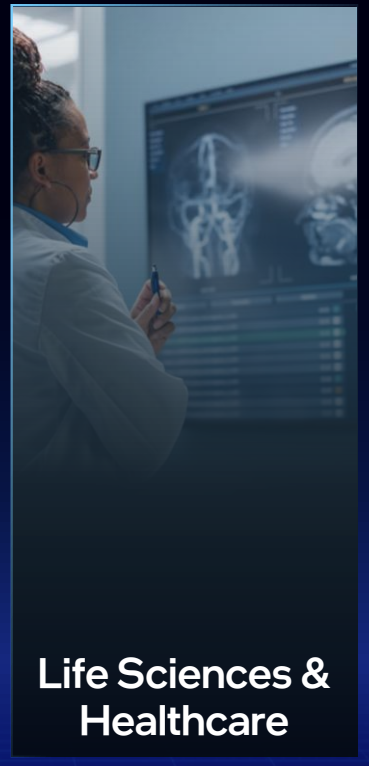
**Zachary Kranich**
Product Marketing Engineer

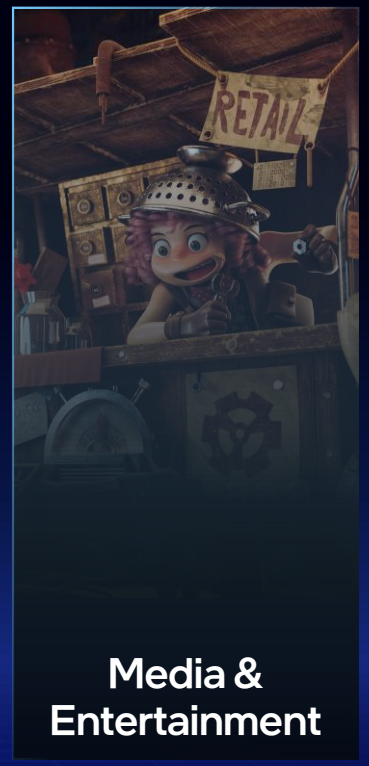

Intel® Xeon® 600
Processors for Workstations

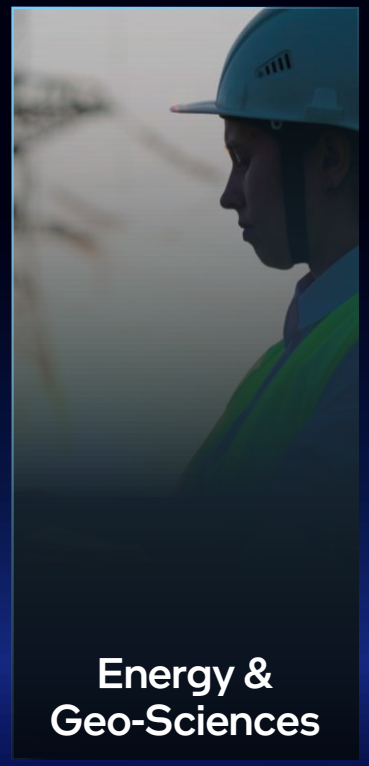
# Professionals Expect Performance & Reliability



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# Trusted Platforms for Workstation Computing

Performance Scalability

Data Integrity & System Reliability

Advanced Computing

intel

**15+**

**Years of Workstation Industry Leadership***

Software Ecosystem & Certifications

Manageability & Deployment

Solutions for Every User

*Source: IDC Workstation Tracker – 2008-2025 – Processor Vendor – Intel with greater than 90%+ Market Share and JPR Workstation Report as of Q3'2025

# Intel's Workstation Platforms

Stationary

Desktop Workstation

Intel® Core™ Ultra 200 Desktop Processors

Mainstream Workstation

Intel® Xeon® W-2500 Processors

Expert Workstation

Intel® Xeon® W-3500 Processors

Mobile

Essential Mobile Workstation

Intel® Core™ Ultra 200H Processors

Slim/Ultra-Slim Mobile **Workstation**

Intel® Core™ Ultra 200H Processors

Performance Mobile Workstation

Intel® Core™ Ultra 200HX Processors

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# Intel's Workstation Platforms

Stationary

Desktop Workstation

Intel® Core™ Ultra 200 Desktop Processors + Intel® W880 Chipset

Introducing

High End Workstation

Intel® Xeon® 600 Processors for Workstation

Mobile

Essential Mobile Workstation

Intel® Core™ Ultra 200H Processors

Slim/Ultra-Slim Mobile **Workstation**

Intel® Core™ Ultra 200H Processors

Performance Mobile Workstation

Intel® Core™ Ultra 200HX Processors

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INTRODUCING

# Intel® Xeon® 600 Processors for Client Workstations

## Unleashed Heavy-Duty Compute

### Performance Efficiency

Packing Intel's latest technologies with up to 86 performance cores to tackle heavy-duty compute workloads

### Designed for AI Dev

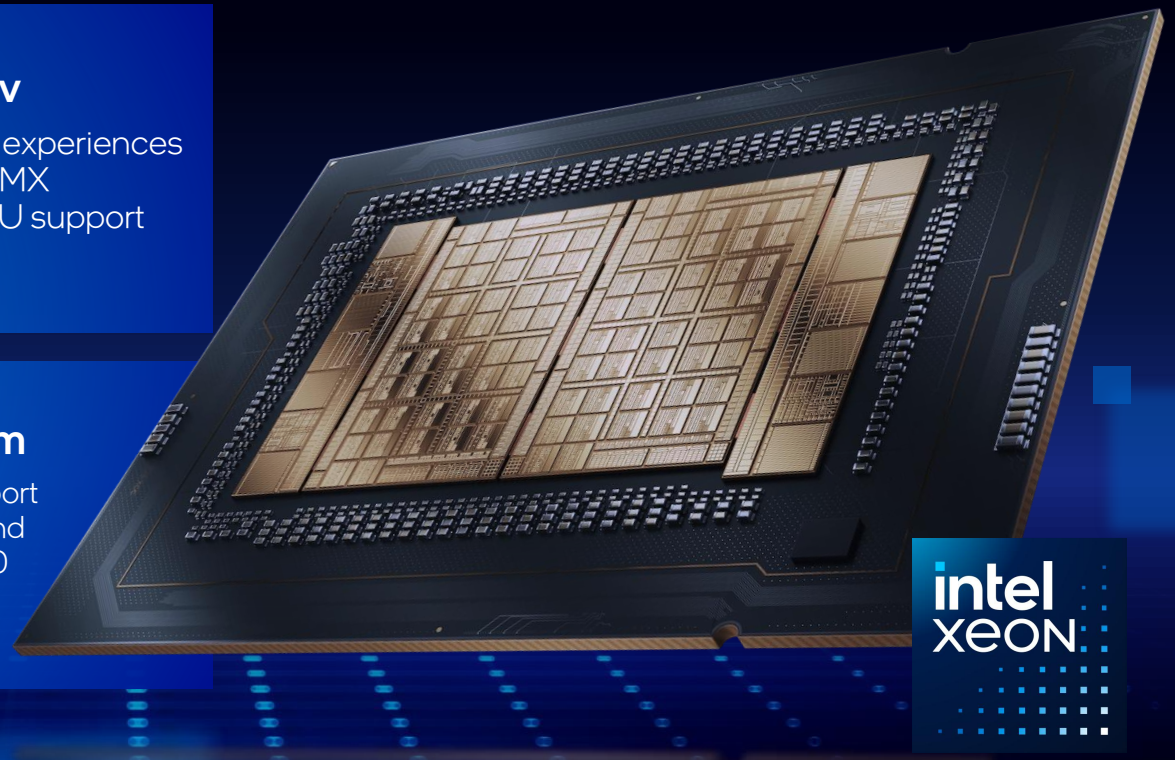
Ready to build the AI PC experiences of tomorrow with Intel® AMX extensions and multi-GPU support

### Intel vPro® Technology

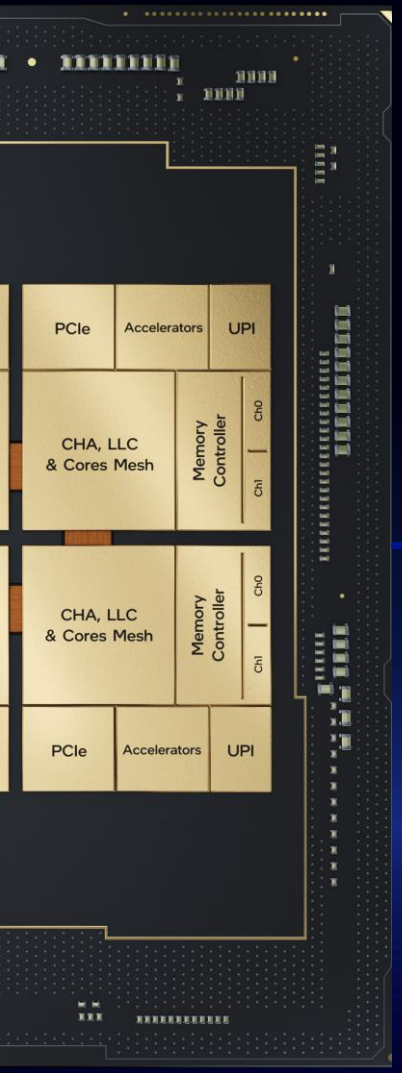
Address critical business requirements with increased security, reliability, and easy-to-manage high-performance compute

### Expandible Platform

Platform features that support high-speed connectivity and I/O with up to x128 PCIe 5.0 lanes and up to 8 memory channels



# Performance Efficiency




Increased Efficiency

More Cache per Core

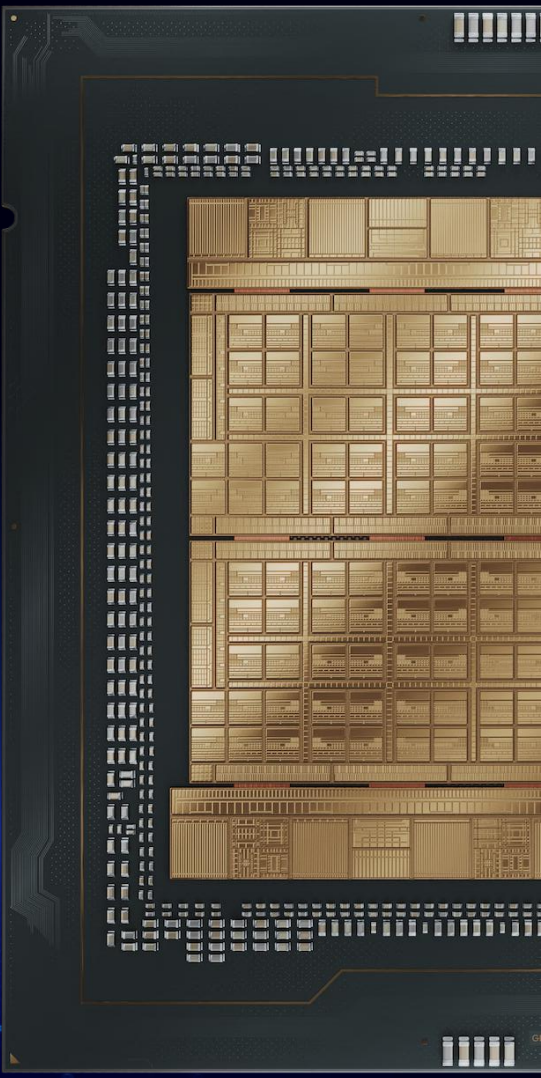
More Cores, Similar Power Envelope

Intel® Xeon® W-3500
Intel® Xeon® W-2500
Processors

Up to **9%** **Higher ST Performance**

Up to **61%** **Higher MT Performance**

Intel® Xeon® 600
Processors for
Workstations



Comparing an Intel® Xeon® 698X Processor vs Intel® Xeon® w9-3595X Processor.
See notices & disclaimers for details or visit www.intel.com/PerformanceIndex for workloads and configurations. Results may vary.

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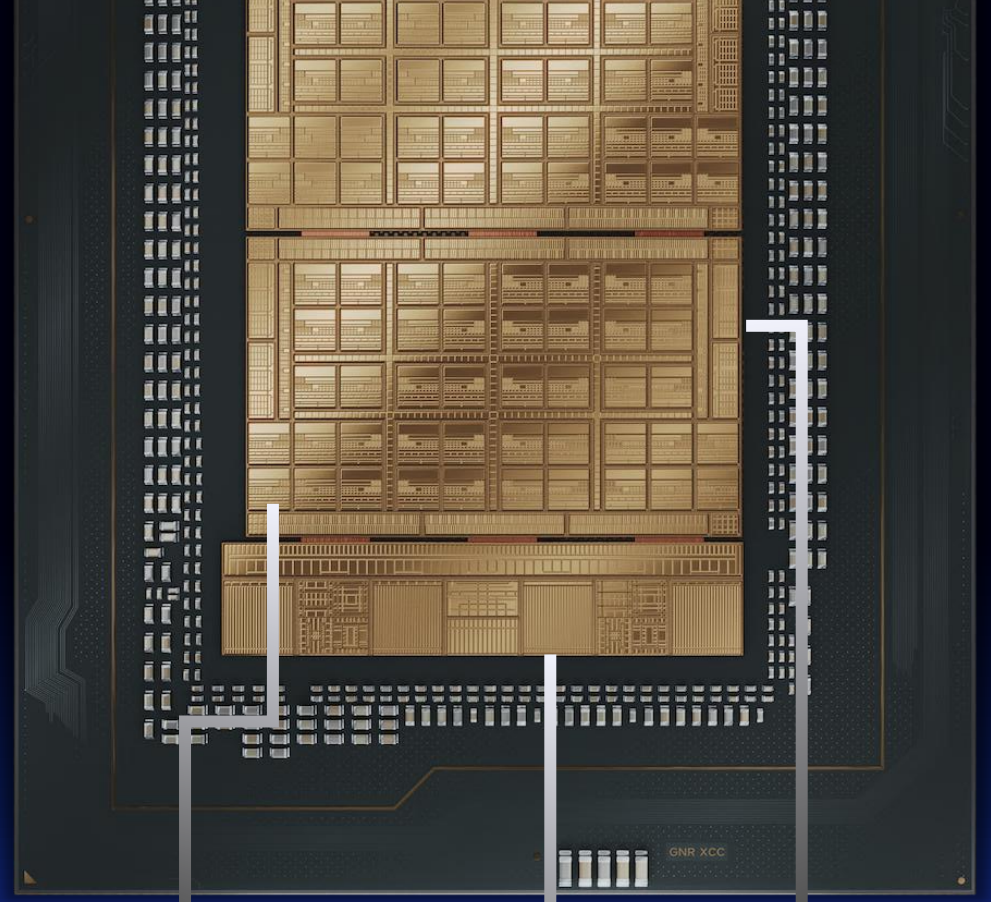
# Designed for AI Dev

A workstation for AI developers; feat CPU-based inference, multi-GPU connectivity, and more

**Up to 86 Cores feat:**
**Intel® AVX-512**
**Intel® AMX** (Integer8, Bfloat16, NEW FP16)

**Up to 4TB memory**
**Up to 128x PCIe 5.0**
**Support for CXL 2.0**

**Software Tools to optimize acceleration across CPU, GPU or FPGAs**




Intel® AMX built-in every CPU core

Up to 4TB of Mem Capacity

Multi-GPU or Accelerator Support via PCIe & CXL

# Intel vPro® Technology

## Empowering IT to keep professionals up-and-running

### Security

Intel® Total Memory Encryption (Multi-Key)
Intel® Trusted Execution Technology
Intel® Virtualization Technology

### Manageability

Intel® Active Management Technology
Intel® Unique Platform ID
Intel® Platform Service Record
DASH Compliant

### System Recovery

Intel® Remote Platform Erase
Intel® One-Click Recovery*

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intel vPRO

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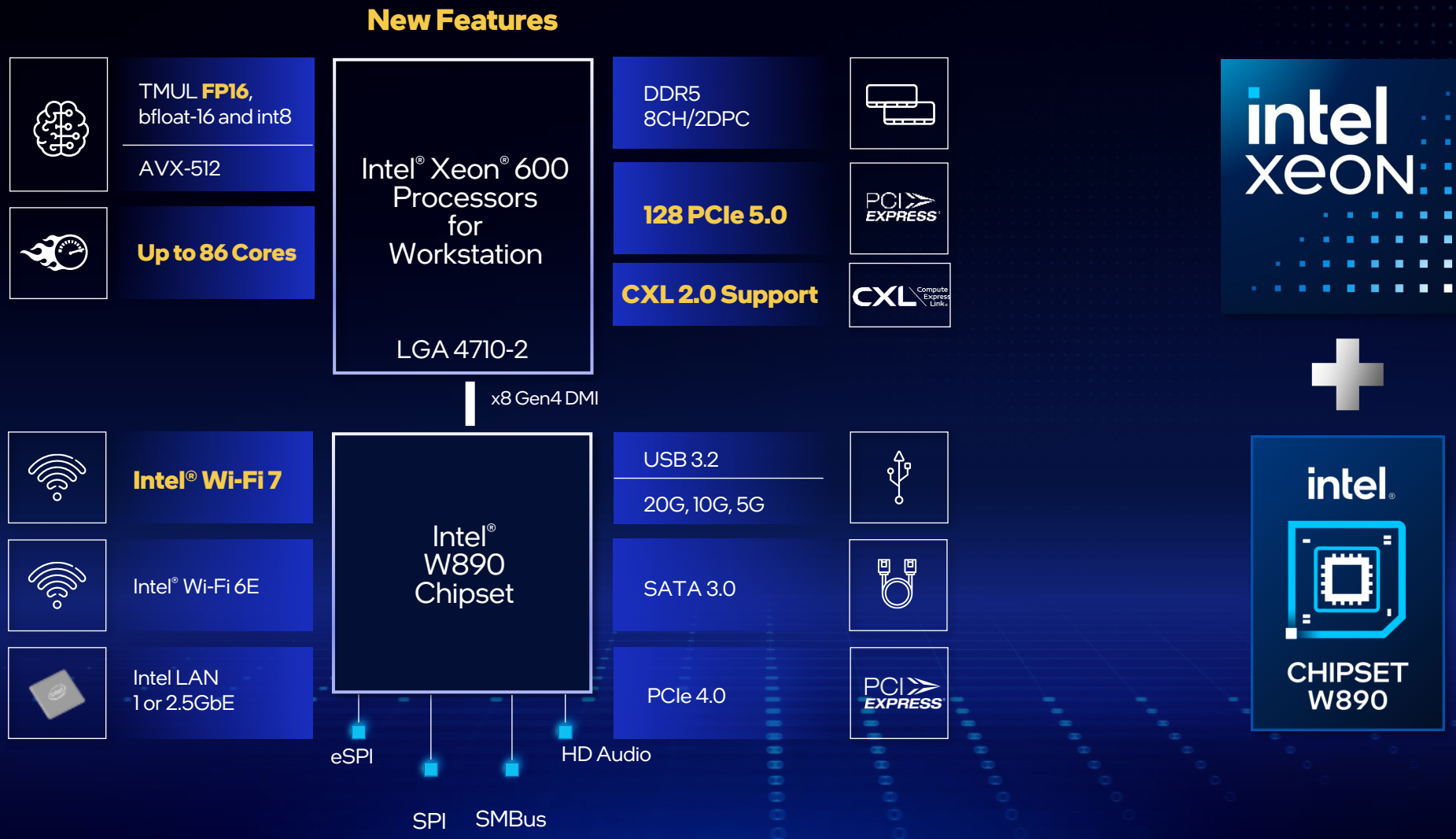
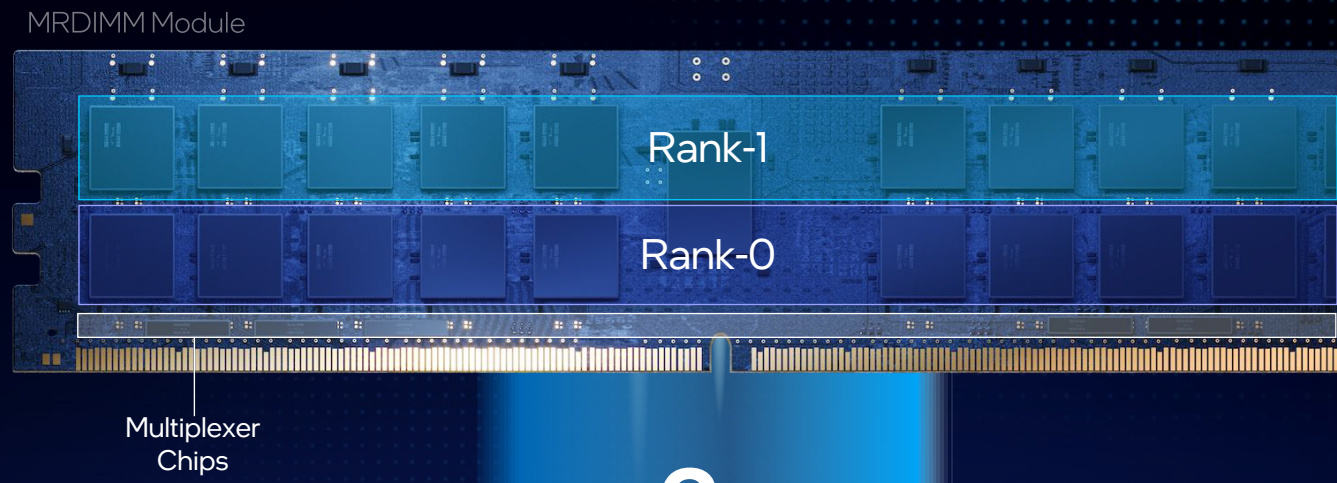
*Requires Intel® vPro Platform activation.

# Expandible Platform



# **Significant** bandwidth advantage with Multiplexed Rank DIMM (MRDIMM)

and Intel Xeon 600 Processors for Workstation

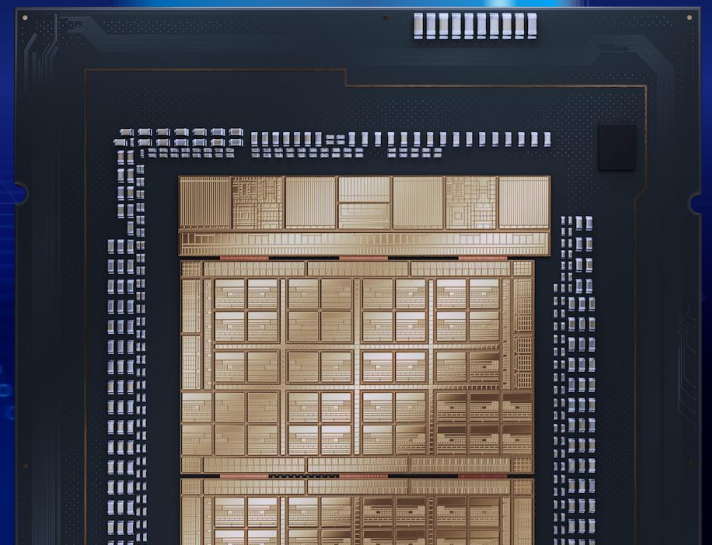



**2x**
DDR5 Transfers

**Up to 8000 MT/s data rate**

**Improving memory B/W scaling**

**Great for memory bound workloads**



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# Intel® Xeon® 600 Processors for Workstation

| SKU | CPU Cores | | | | Cache | Power & Scalability | | Memory | | | Intel vPro® Technology | PCIe 5.0 Lanes | Boxed | RCP Price |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | P Cores | Turbo Boost Max 3.0 Freq (GHz) | All Core Turbo Freq (GHz) | Base Freq (GHz) | L3 cache (MB) | Base TDP (Watts) | Unlocked | Memory Channels | DDR5 Memory Speed | MRDIMM Speed | | | | |
| **698X** | 86 | 4.8 | 3.0 | 2.0 | 336 | 350 | Yes | 8 | 6400 | 8000 | Yes | 128 | – | $7699 |
| **696X** | 64 | 4.8 | 3.5 | 2.4 | 336 | 350 | Yes | 8 | 6400 | 8000 | Yes | 128 | Yes | $5599 |
| **678X** | 48 | 4.9 | 3.8 | 2.4 | 192 | 300 | Yes | 8 | 6400 | 8000 | Yes | 128 | Yes | $3749 |
| **676X** | 32 | 4.9 | 4.3 | 2.8 | 144 | 275 | Yes | 8 | 6400 | 8000 | Yes | 128 | Yes | $2499 |
| **674X** | 28 | 4.9 | 4.3 | 3.0 | 144 | 270 | Yes | 8 | 6400 | 8000 | Yes | 128 | – | $2199 |
| **658X** | 24 | 4.9 | 4.3 | 3.0 | 144 | 250 | Yes | 8 | 6400 | – | Yes | 128 | Yes | $1699 |
| **656** | 20 | 4.8 | 4.5 | 2.9 | 72 | 210 | – | 8 | 6400 | – | Yes | 128 | – | $1399 |
| **654** | 18 | 4.8 | 4.5 | 3.1 | 72 | 200 | – | 8 | 6400 | – | Yes | 128 | Yes | $1199 |
| **638** | 16 | 4.8 | 4.5 | 3.2 | 72 | 180 | – | 4 | 6400 | – | Yes | 80 | – | $899 |
| **636** | 12 | 4.7 | 4.5 | 3.5 | 48 | 170 | – | 4 | 6400 | – | Yes | 80 | – | $639 |
| **634** | 12 | 4.6 | 3.9 | 2.7 | 48 | 150 | – | 4 | 6400 | – | Yes | 80 | – | $499 |

Intel may make changes to specifications and product descriptions at any time, without notice. Intel® AMX featured in each core

Please visit ark.intel.com or contact your Intel representative to obtain the latest product specifications. Intel processor numbers are not a measure of performance. Processor numbers differentiate features within each processor family, not across different processor families. All processors support Intel Virtualization Technology (Intel VT-x).

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# Boxed Processor Information


The following SKUs will be boxed for individual retail:

- Intel® Xeon® 696X Processor (64 Cores)
- Intel® Xeon® 678X Processor (48 Cores)
- Intel® Xeon® 676X Processor (32 Cores)
- Intel® Xeon® 658X Processor (24 Cores)
- Intel® Xeon® 654 Processor (18 Cores)

Boxed product will include package carriers to attach to LGA4710 thermal solutions

# Unleashing Heavy-Duty Computing with Overclocking

Providing system integrators the tools to customize their performance solutions

## Unlocked "X" SKUs

**Intel® Xeon® 600 Processors for Workstation**

| SKU | CPU Cores | Base TDP (Watts) |
|---|---|---|
| Xeon® 698X Processor | 86 | 350 |
| Xeon® 696X Processor | 64 | 350 |
| Xeon® 678X Processor | 48 | 300 |
| Xeon® 676X Processor | 32 | 275 |
| Xeon® 674X Processor | 28 | 270 |
| Xeon® 658X Processor | 24 | 250 |

- Processor Core Tuning
- AVX2, AVX512, and TMUL Negative Ratio Offset Tuning
- Per-Compute Die Mesh Tuning
- Intel Turbo Boost 2.0 Frequency Tuning
- Intel Turbo Boost Max Technology 3.0 Tuning
- NEW Undervolt Protection Voltage Baseline and Max Voltage Limit Reporting
- NEW Per-Compute Die and Per-Core Performance Limit Reasons Reporting



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# Tune Your System with OCCT


Intel and OCBASE partnered to bring processor tuning support to the popular OCCT App!

- ✓ Dynamic Overclocking Controls
- ✓ Linux and Windows support
- ✓ Enhanced Platform Telemetry
- ✓ Trusted Stability Testing
- ✓ Configurable Benchmarking

OCCT® DEFINING STABILITY

Compatible with intel XEON **Intel® Xeon® 600 Processors for Workstation**

# Industry Leading Extreme Overclocking

# Intel® Xeon® 698X Processor

**10** World Records

**10** Global First Places

In partnership with ASUS®

"These results demonstrate what's possible when processor architecture and motherboard engineering are co-optimized from day one.

Our R&D team worked closely with Intel to fully unleash the overclocking headroom of Xeon® 698X, setting new global benchmarks in extreme performance."

**Jonson Lee**
Head of Research & Dev
ASUS

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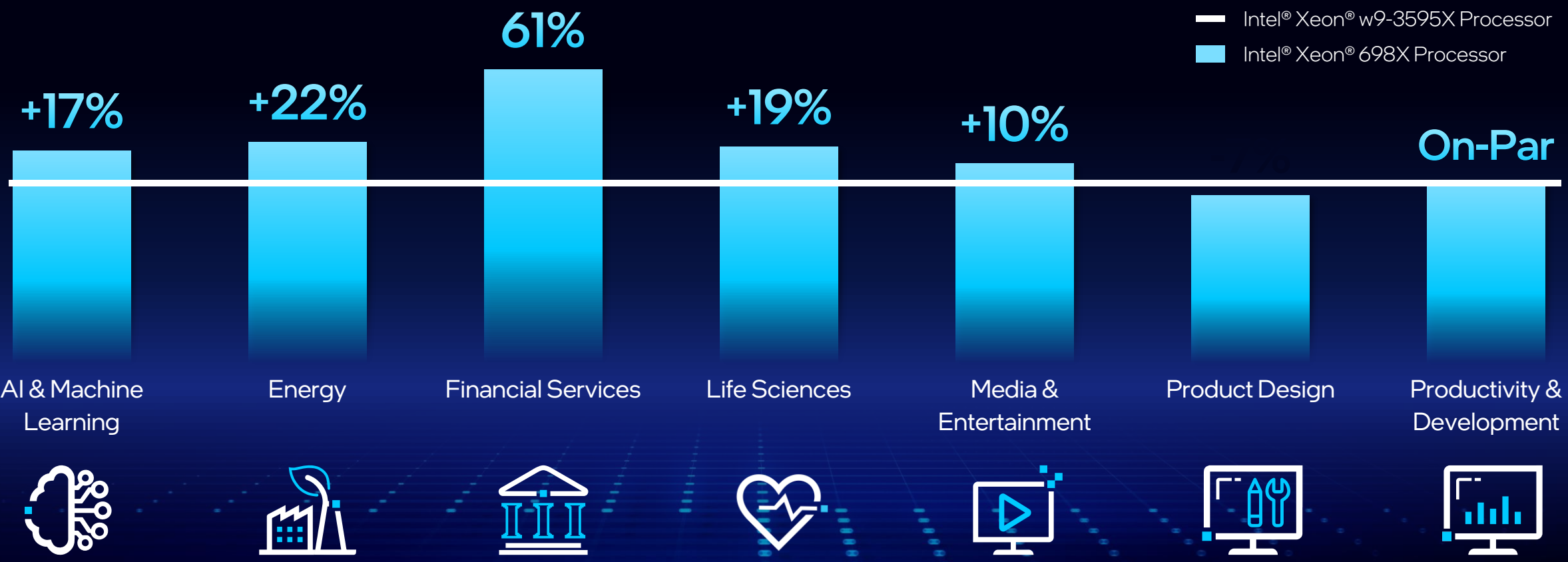
**World Records** as recorded by HWBot.org on 01/20/2026 on the following benchmarks: Geekbench4 Multicore, Geekbench5 Multicore, Y-Cruncher Pi 25M, Y-Cruncher 1B, Y-Cruncher 2.5B, Y-Cruncher 5B, Y-Cruncher 10B, Y-Cruncher 28B, Timespy Extreme CPU, 3D Mark CPU Profile Max Cores
**Global First Places** as recorded by HWBot.org on 01/20/2026 on the following benchmarks using 86 cores: 7-Zip (Benchmate), Geekbench3-Multi Core, Geekbench6 Multi-core, Cinebench R20, Cinebench R23, Cinebench R15, GPUPI for CPU 1B, Y- Cruncher Pi BBP 1B, Y- Cruncher Pi BBP 10B, Y- Cruncher Pi BBP 100B

# Huge Leaps in Workstation Performance

SPEC Workstation 4.0




See notices & disclaimers for details or visit www.intel.com/PerformanceIndex for workloads and configurations. Results may vary.

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# Design, Refine, and Simulate the Future

## Intel® Xeon® 600 Processors for Workstation deliver the performance you need to design the future

Up to **29%** **Faster visualization**

DASSAULT SYSTEMES
Stellar Physically Correct

Up to **27%** **faster FEA solve times**

MFEM
Scalable Finite Element Analysis Solver

Up to **30%** **faster CFD solving**

OpenFOAM
Open-source Fluid Dynamic Solver

Intel® Xeon® 698X Processor vs Intel® Xeon® w9-3595X Processor

See notices & disclaimers for details or visit www.intel.com/PerformanceIndex for workloads and configurations. Results may vary.

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# Imagine the Impossible

Up to

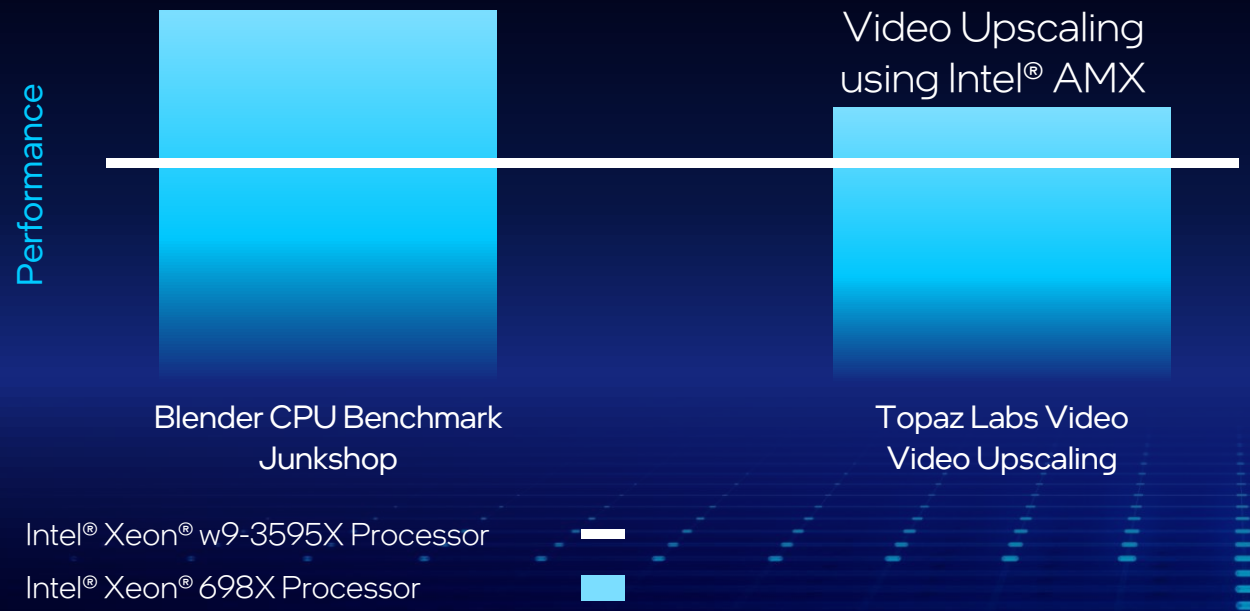
**74%**

faster rendering

Up to

**+29%**

Faster AI-Powered Video Upscaling using Intel® AMX




*The Junk Shop* by Alex Treviño. - Rendered in Blender 4.5 using the Cycles Engine

See notices & disclaimers for details or visit www.intel.com/PerformanceIndex for workloads and configurations. Results may vary.

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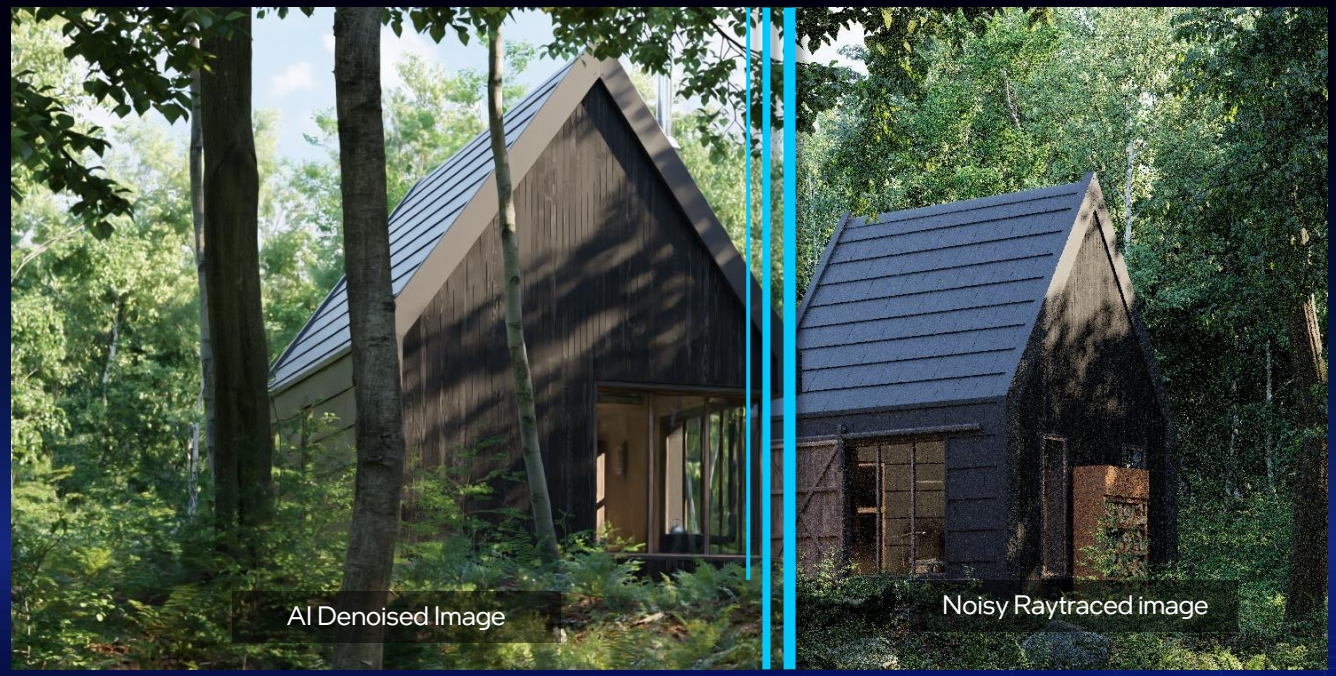
# Intel® Rendering Toolkit – Intel® Open Image Denoise 2.4

## Image denoising now accelerated with Intel® AMX (FP16) exclusively on Intel® Xeon® Processors




Accelerated with Intel® AMX (FP16)

blender

DASSAULT SYSTEMES
Stellar Physically Correct

chaos Corona

chaos V-Ray

MAXON

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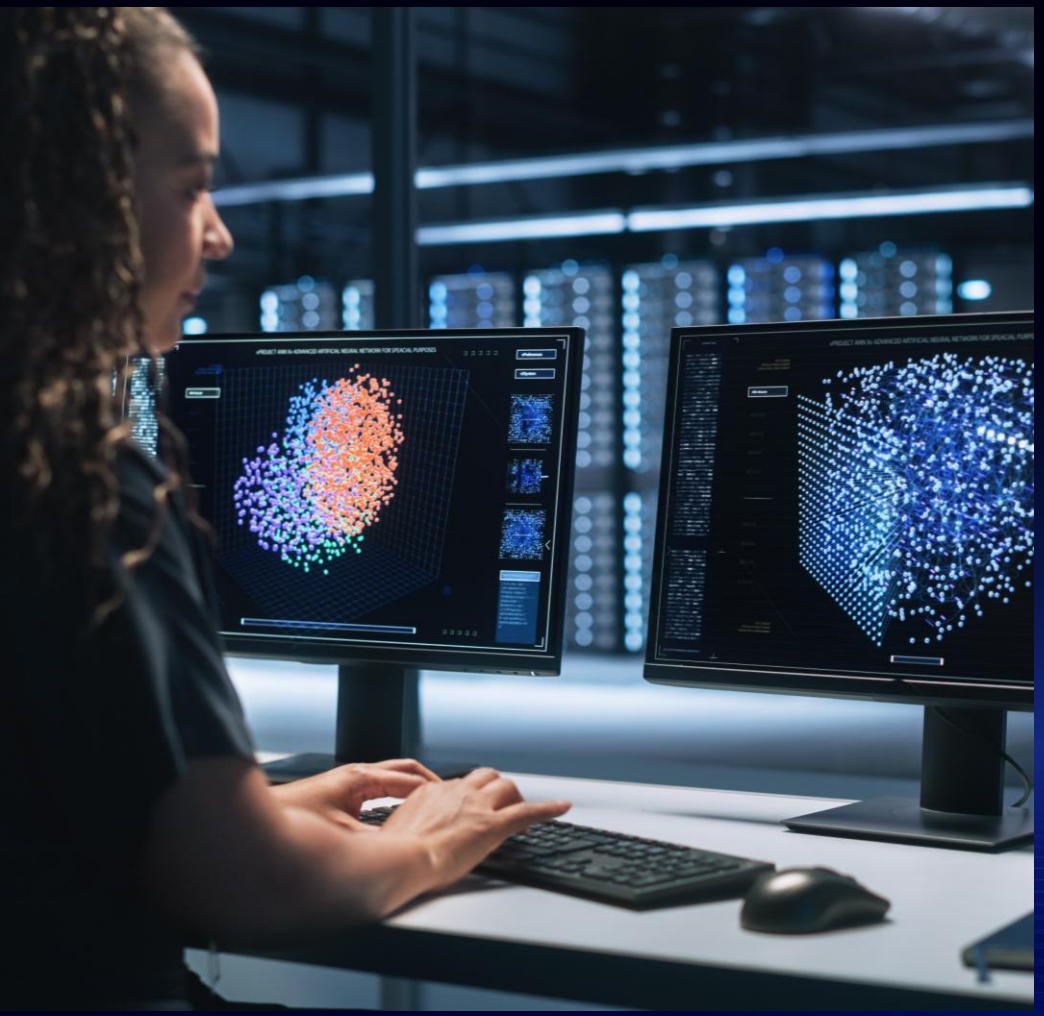
**Intel® Xeon® 6 Processors with P-Cores**
**Intel® Xeon® 600 Processors for Workstation**

Image credit: Evermotion 15th Anniversary Collection scene, shown after vs before denoising. To learn more about Intel® Open Image Denoise, visit https://www.openimagedenoise.org/

# Develop the AI Models of the Future



SciPy NumPy python™ ONNX

Up to **24%** faster linear algebra performance

Up to **18%** faster large data-set analysis

Up to **16%** faster CPU-based AI inferencing testing

## Total AI Workstation Solution

Intel® AVX-512
Intel® AMX (Int8, Bfloat16, FP16 datatypes)

Intel® OpenVINO™ toolkit

Intel® OneAPI toolkit

Multi-GPU Support for ML Training (Up to 8x PCIe 5.0 GPUs Supported)

Intel® Xeon® 698X Processor vs Intel® Xeon® w9-3595X Processor

See notices & disclaimers for details or visit www.intel.com/PerformanceIndex for workloads and configurations. Results may vary.

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# Use the Right Tool for the Right Job

## Workstations solutions should match your daily workflow


### Desktop Workstations

Intel® Core™ Ultra 200 Desktop Processors + Intel® W880 Chipset

**Latency-Sensitive Interactive & Moderately-Threaded workloads like:**

- Content Creation (Photo/Video Editing)
- CAD Modeling (Models that fit within 256GB of system memory)
- Game Development & Testing
- Data Science (Model Exploration of Small Data Sets*)


### High End Workstations

Intel® Xeon® 600 Processors for Workstation

**Highly-Threaded, High-Memory Bandwidth, Large Memory-Capacity & High-PCIe Expandability workloads like:**

- FEA, CFD Simulation & Photo Realistic Visualization
- Reality Capture
- CAD/CAM Modeling (Large/Complex models that need >192GB of system memory)
- Complex 3D Character/Scene Creation
- Virtual Production
- Data Prep, AI Development & Machine Learning



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Example of workloads, not limited to this list. Results may vary

*Data Science model sizes ranging between: Small Data Sets = <50K rows, Medium Data Sets = >. 50k to 1 Million rows

# Use the Right Tool for the Right Job

Intel® Core Ultra 5 Processor 245K (6P +8E cores)

Up to **23%** higher single-threaded performance

Up to **27%** higher perf in CAD workloads

Cinebench 2025 - Single Thread

Autodesk Inventor SPECWorkstation 4.0

Intel® Xeon® 636 Processor (12 P-Cores)

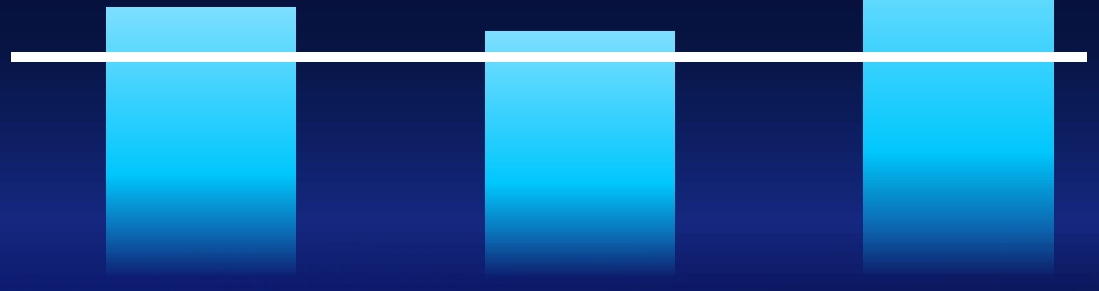
Intel® Core Ultra 5 Processor 245K (6 P-Cores + 8 E-Cores)

Intel® Xeon® 636 Processor (12 P Cores)

Up to **22%** faster photo-realistic rendering

Up to **11%** faster 3D Scene rendering

Up to **47%** faster linear algebra performance



Dassault Steller

Blender - Monster

NumPy & SciPy Python 3.9.23

Intel® Core Ultra 5 Processor 245K (6 P-Cores + 8 E-Cores)

Intel® Xeon® 636 Processor (12 P-Cores)

See notices & disclaimers for details or visit www.intel.com/PerformanceIndex for workloads and configurations. Results may vary.

# Intel® Xeon® 600 Processors for Client Workstations

## Unleashed Heavy-Duty Compute

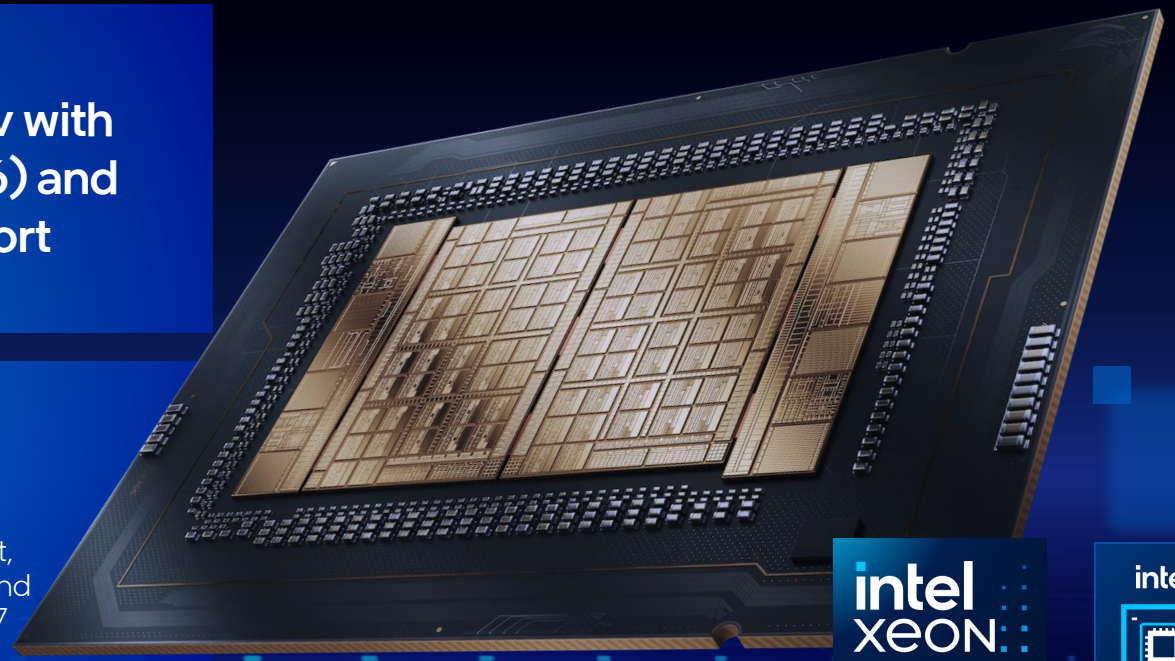
**Up to 86 Performance Cores, Increased L3 Cache**

**Design for AI Dev with Intel® AMX (FP16) and Multi-GPU Support**

**intel vPRO for more Security, Reliability, and Manageability**

**Expandible Platform**

Featuring CXL 2.0 Support, Up to 128 PCIe 5.0 lanes, and integrated Wi-Fi 6E, Wi-Fi 7 support

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Compared to previous generation Intel® Xeon® W-3500 and Intel® Xeon® W-2500 Processors

# Hardware Partners

## System Designs

DELL Technologies

HP Z

Lenovo ThinkStation

SUPERMICRO

BOXX

Puget Systems

and More

## Intel® W890 Motherboards

intel. CHIPSET W890

ASUS

SUPERMICRO

GIGABYTE™

Availability starting Late-March 2026

# 2026 Workstation Platforms

Stationary


Desktop Workstations

Intel® Core™ Ultra 200 Desktop Processors + Intel® W880 Chipset

**New**


High-End Workstations

Intel® Xeon® 600 Processors for Workstation

Mobile

**Coming Soon**


Essential Mobile Workstations

Series 3 Intel® Core™ Ultra processors

**Coming Soon**


Slim/Ultra-Slim Mobile **Workstations**

Series 3 Intel® Core™ Ultra processors
featuring built-In Intel® Arc™ Pro Graphics


Performance Mobile Workstations

Series 2 Intel® Core™ Ultra 200HX Processors

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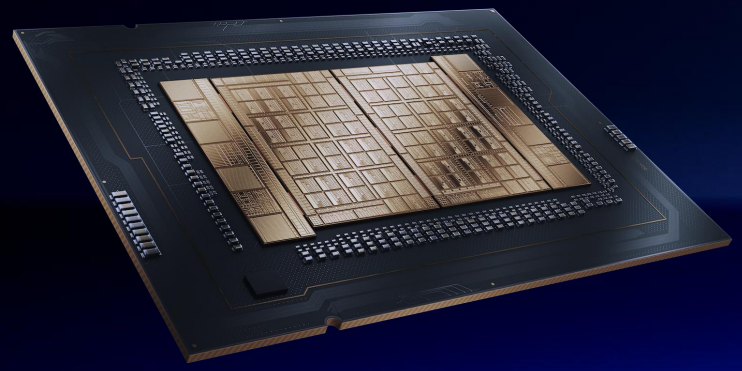
# Intel® Xeon® 600 Processors for Workstations

## Unleashed Heavy-Duty Compute



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CHIPSET W890

# Notices and Disclaimers

Performance varies by use, configuration and other factors. Learn more at www.Intel.com/PerformanceIndex
Performance results are based on testing as of 20 Jan 2026 and may not reflect all publicly available updates. See backup for configuration details. No product or component can be absolutely secure.

Results have been estimated or simulated.

Altering clock frequency or voltage may void any product warranties and reduce stability, security, performance, and life of the processor and other components. Check with system and component manufacturers for details.

Intel technologies may require enabled hardware, software or service activation.

No product or component can be absolutely secure.

Intel does not control or audit third-party data. You should consult other sources to evaluate accuracy.

All product plans and roadmaps are subject to change without notice.

Code names are used by Intel to identify products, technologies, or services that are in development and not publicly available. These are not "commercial" names and not intended to function as trademarks.



- "Intel has 15 Plus years of Workstation Industry Leadership" - Source: IDC Workstation Tracker – 2008-2025 – Processor Vendor – Intel with greater than 90%+ Market Share and JPR Workstation Report as of Q3'2025

# Performance Disclaimers – Pt.1

See www.intel.com/PerformanceIndex for workloads and configurations. Results may vary.

- "Up to 9% higher ST Performance" and "Up to 61% higher MT Performance" - As measured by Cinebench 2026 - CPU Single Thread & Multiple Threads scores on an Intel® Xeon® 698X processor vs an Intel® Xeon® w9-3595X.
- "10 Extreme Overclocking World Records" - World Records as recorded by HWBot.org on 01/20/2026 on the following benchmarks: Geekbench4 Multicore, Geekbench5 Multicore, Y-Cruncher Pi 25M, Y-Cruncher 1B, Y-Cruncher 2.5B, Y-Cruncher 5B, Y-Cruncher 10B, Y-Cruncher 28B, Timespy Extreme CPU, 3D Mark CPU Profile Max Cores
- "10 Extreme Overclocking Global First Places" – Global First Places as recorded by HWBot.org on 01/20/2026 on the following benchmarks using 86 cores: 7-Zip (Benchmate), Geekbench3 Multi Core, Geekbench6 Multi-core, Cinebench R20, Cinebench R23, Cinebench R15, GPUPI for CPU 1B, Y- Cruncher Pi BBP 1B, Y-Cruncher Pi BBP 10B, Y- Cruncher Pi BBP 100B
- "Up to 17% faster in AI & Machine Learning workloads" with an Intel® Xeon® 698X vs. Intel® Xeon® w9-3595X. As measured by SPECworkstation™ 4.0 - AI & Machine Learning.
- "Up to 22% faster in Energy workloads" with an Intel® Xeon® 698X vs. Intel® Xeon® w9-3595X. As measured by SPECworkstation™ 4.0 – Energy
- "Up to 61% faster in Finance Services workloads" with an Intel® Xeon® 698X vs. Intel® Xeon® w9-3595X. As measured by SPECworkstation™ 4.0 – Financial Services
- "Up to 19% faster in Life Sciences workloads" with an Intel® Xeon® 698X vs. Intel® Xeon® w9-3595X. As measured by SPECworkstation™ 4.0 – Life Sciences
- "Up to 10% faster in Media & Entertainment workloads" with an Intel® Xeon® 698X vs. Intel® Xeon® w9-3595X. As measured by SPECworkstation™ 4.0 - Media & Entertainment.
- "On par in Productivity & Development workloads" with an Intel® Xeon® 698X vs. Intel® Xeon® w9-3595X. As measured by SPECworkstation™ 4.0 - Productivity & Development, on par = +/-3%.
- "Up to 29% faster photo-realistic rendering" with an Intel® Xeon® 698X vs. Intel® Xeon® w9-3595X. As measured by Dassault Steller Physically Correct Renderer- "GreenCar" benchmark.
- "Up to 27% faster FEA solve times" with an Intel® Xeon® 698X vs. Intel® Xeon® w9-3595X. As measured by SPECworkstation™ 4.0 – MFEM workload.
- "Up to 30% faster CFD solve times" with an Intel® Xeon® 698X vs. Intel® Xeon® w9-3595X. As measured by SPECworkstation™ 4.0 – OpenFOAM workload

# Performance Disclaimers – Pt.2

- "Up to 70% faster rendering" with an Intel® Xeon® 698X vs. Intel® Xeon® w9-3595X. As measured by Blender Benchmark (Blender 4.5.0) - CPU junkshop.
- "Up to 29% faster Video Upscaling" with an Intel® Xeon® 698X vs. Intel® Xeon® w9-3595X. As measured by Topaz Video, 1920 X 1080 Gaia 4X , utilizing Intel® Advanced Matrix Extensions.
- "Up to 24% faster linear algebra performance" with an Intel® Xeon® 698X vs. Intel® Xeon® w9-3595X. As measured by geomean of performance across linear algebra algorithms in Intel Python distribution of NumPy/SciPy – iBench. See Github for details: https://github.com/IntelPython/ibench
- " Up to 18% faster large data-set analysis" with an Intel® Xeon® 698X vs. Intel® Xeon® w9-3595X. As measured by SPECworkstation™ 4.0 – Data Science workload
- " Up to 16% faster CPU-based AI inferencing testing " with an Intel® Xeon® 698X vs. Intel® Xeon® w9-3595X. As measured by SPECworkstation™ 4.0 – ONNX Inference
- "Up to 23% better Singlethread performance" with an Intel Core® Ultra™ 5 Processor 245K vs. Intel® Xeon® 636. As measured by Cinebench 2026 CPU Single Thread.
- "Up to 27% higher performance in CAD workloads" with an Intel Core® Ultra™ 5 Processor 245K vs. Intel® Xeon® 636. As measured by SPECworkstation™ 4.0 – Autodesk Inventor.
- "Up to 22% faster photo-realistic rendering" with an Intel® Xeon® 636 vs. Intel Core® Ultra™ 5 Processor 245K. As measured by Dassault Steller Renderer- "GreenCar" benchmark.
- "Up to 11% faster rendering" with an Intel® Xeon® 636 vs. Intel Core® Ultra™ 5 Processor 245K. As measured by Blender Benchmark (Blender 4.5.0) - CPU Monster.
- "Up to 47% faster linear algebra performance" with an Intel® Xeon® 636 vs. Intel Core® Ultra™ 5 Processor 245K. As measured by geomean of performance across linear algebra algorithms in Intel Python distribution of NumPy/SciPy – iBench. See Github for details: https://github.com/IntelPython/ibench

# Hardware Configurations

- Intel® Xeon® 698X Processor (86C/172T) Base Frequency: 2.0GHz, Max Boost 4.8 GHz, TDP: 350W, Memory: 8x32GB of Samsung DDR5 ECC RDIMM - 6400 MT/s; SSD: Samsung 9100 Pro 1TB On CPU PCIe Slot with M.2 Riser Card; OS :Windows 11 Enterprise (25H2 v26200.7462) Graphics: RTX PRO 6000 Blackwell Workstation Edition; Graphics Driver Version:v32.0.15.8208; Motherboard Name: Granite Rapids Expert WS; Motherboard Type (Production, CRB, RVP):RVP; Resolution (Native):1920x1080;PC BIOS:v3663.P82.2511151328; OS Power Plan: High Performance; VBS: Running; Windows Defender: On; Tamper Protection: On

- Intel® Xeon® w9-3595X Processor (60C/120T) Base Frequency: 2.0 GHz; Max Boost 4.8 GHz; TDP: 385W, Memory:8x32GB Samsung DDR5 ECC 4800 MHz; SSD: Samsung 9100 Pro 1TB on CPU PCIe Slot with M.2 Riser Card; OS :Windows 11 Enterprise; OS Version:25H2 v26200.7462;Graphics:RTX PRO 6000 Blackwell Workstation Edition; Graphics Driver Version:v32.0.15.8208;Motherboard Name: Intel FISHHAWKFALLS; Motherboard Type (Production, CRB, RVP):RVP; Resolution (Native):1920x1080;PC BIOS:FHFDCRB1.868.0060.D82.2509231057;Power Plan: High Performance; VBS:Running; Defender: On; Tamper Protection: On"

- Intel® Xeon® 636 Processor (12C/24T) Base Frequency: 3.5 GHz, Max Boost 4.7 GHz;TDP:170W, Memory:4x32GB Samsung DDR5 ECC RDIMM - 6400 MHz; SSD: Samsung 9100 Pro 1TB On CPU PCIe Slot with M.2 Riser Card; OS :Windows 11 Enterprise; OS Version:25H2 v26200.7462;Graphics:RTX PRO 6000 Blackwell Workstation Edition; Graphics Driver Version:v32.0.15.8208;Motherboard Name: Granite Rapids Expert WS; Motherboard Type (Production, CRB, RVP):RVP; Resolution (Native):1920x1080;PC BIOS:v3663.P82.2511151328;Power Plan: High Performance; VBS: Running; Defender: On; Tamper Protection: On

- Intel® Core™ Ultra 5 245K Processor (6P +8E-Cores) Base Frequency: P-Core 4.2GHz, E-Core 3.6 GHz; Max Boost 5.2 GHz; TDP: Performance-core :4.2GHz, Efficient-core: 3.6 GHz;PL1 Power Limit (Static) :125W;PL2 Power Limit (Static):159W;Power Supply Model:159W;Memory:2x 32GB Micron DDR5 ECC CUDIMM - 6400 MHz; SSD: Samsung 9100 Pro 1TB Onboard M.2 CPU slot; OS :Windows 11 Pro; OS Version:25H2 v26200.7462;Graphics:RTX PRO 6000 Blackwell Workstation Edition; Graphics Driver Version:v32.0.15.8208;Motherboard Name: Asus Pro WS W880-ACE SE; Motherboard Type (Production, CRB, RVP): Production; Resolution (Native):1920x1080;PC BIOS:1802;Power Plan: High Performance; VBS: Running; Defender: On; Tamper Protection: On"

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