intel

Ignite Your Productivity

Intel Xeon W-1300 processors combine professional performance with platform security and reliability features.

intel XEON

Designed for visual compute professionals in architecture, construction, engineering, media and entertainment, and scientific industries, **Intel Xeon W-1300 processors** deliver significant gains in real-world performance. Take your work to the next level with intelligent AI performance, immersive graphics and display, and new PCIe Gen 4 expandability.

Major power. Major productivity.

A redesigned silicon architecture transforms hardware and software efficiency for next-level performance.

Built-in Intel Deep Learning Boost with INT8 (VNNI) drives up to 3X better AI performance[1]

Extend Intel VNNI to accelerate AI and machine learning inference performance with **Intel Deep Learning Boost with INT8 (VNNI).**[1]

Up to DDR4-3200 memory support

Support for DDR4 memory **up to 3200MHz** enables lightning-fast multitasking and game-changing business productivity.

20 PCIe Gen 4 lanes

Connect peripherals and extra storage with 20 high-speed PCIe Gen 4 lanes, delivering more I/O vs. previous generation.[2]

Create with immersive graphics

High-performance graphics provide enhanced experiences for 2D design, 3D CAD, and game development.

5K HDR with Intel UHD Graphics

Enhanced Intel UHD Graphics featuring Intel Iris X[e] Graphics Architecture bring rich media, support for 5K HDR, and intelligent graphics capabilities.

Up to three 4K displays

Integrated HDMI 2.0 and HBR3 power up to three simultaneous 4K displays at 60Hz or a pair of 5K displays at 60Hz for truly immersive experiences.

12-bit AV1 + end-to-end compression

12-bit AV1/HEVC support and end-to-end compression deliver efficient system-wide performance and enhanced media encoding and decoding.

Enterprise-grade security and reliability

Help ensure your work is protected during data-intensive calculations with Intel technologies designed to reduce errors and enhance security.

Protect, detect, and correct with ECC memory

Error Correcting Code (ECC) Memory detects and fixes errors in near real time, helping to ensure the integrity of essential data without interrupting your workflow.

The Intel vPro platform: built for business

Intel Hardware Shield security features help provide peace of mind with hardware-enhanced security and the Intel vPro platform.[3]

2X faster network speeds

2.5G Intel Ethernet Connection I225 v3 delivers greater than 2X the network speeds of 1GB Ethernet on existing cabling.[4]

Drive business productivity across mobile and stationary form factors. Upgrade now to Intel Xeon W-1300 processors.

Connection we solve IT

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