

Deploy at the Network and Edge with Accelerators and Trust Built In

5th Gen Intel® Xeon® Scalable processors unlock new opportunities.



Up to 64 high-throughput, high-efficiency cores¹



Built-in accelerators for key networking workloads



Virtual-environment isolation for confidential computing



Up to 3x total last level cache¹

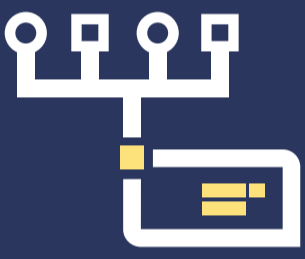


Up to 16% increased DDR5 memory speed¹



Up to 80 lanes of PCIe 5.0 per socket

Incredible performance, meet critical workloads Stay ahead as business evolves.



5G Core Workloads

Quickly process packets and manage signaling and authentication functions

UP TO

1.51x

Higher throughput with 5G Core User Plane Functions vs Intel Xeon Platinum 8470N processor²

UP TO

2.25x

Higher performance vs Intel Xeon Platinum 8380 processor with Varnish Enterprise [12.8k connections]³

CDN video on demand

Deliver content quickly and efficiently to end users, enhancing performance and user experience



Sensitive business data needs multilayer security Feel more confident in the security and privacy of regulated workloads.



Built for confidential computing

Cryptographic isolation for virtual environments, integrity protection and memory confidentiality protect data and IP:

- **Intel Software Guard Extensions (Intel SGX)** isolates data and IP at the application level
- **Intel Trust Domain Extensions (Intel TDX)** isolates workloads at the virtual machine level

UP TO

3.73x

Higher throughput on VPP IPsec (1420B) with integrated Intel QAT accelerator⁴

From network security appliances to SASE

High packet throughput, crypto processing and built-in AI support enable fast, accurate threat detection and mitigation



5th Gen Intel® Xeon® Scalable processors

Get better performance per watt¹ for demanding network and edge workloads. 5th Gen Intel® Xeon® Scalable processors support high-value, specialized AI and virtualized workloads while lowering TCO with built-in accelerators.

Learn more at intel.com/5thgenxeon-network

¹On select SKUs. See [G11 and G12] at intel.com/processorclaims: 5th Gen Intel Xeon Scalable processors. Results may vary.

²See [N4] at intel.com/processorclaims: 5th Gen Intel® Xeon® Scalable processors. Results may vary.

³See [N8] at intel.com/processorclaims: 5th Gen Intel® Xeon® Scalable processors. Results may vary.

⁴See [N18] at intel.com/processorclaims: 5th Gen Intel® Xeon® Scalable processors. Results may vary.

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