Strengthen network and security appliances with value-driven compute

Deliver more network control, packet processing, crypto traffic and network security AI, and platform hardening with the Intel Atom® processors x7000C Series.
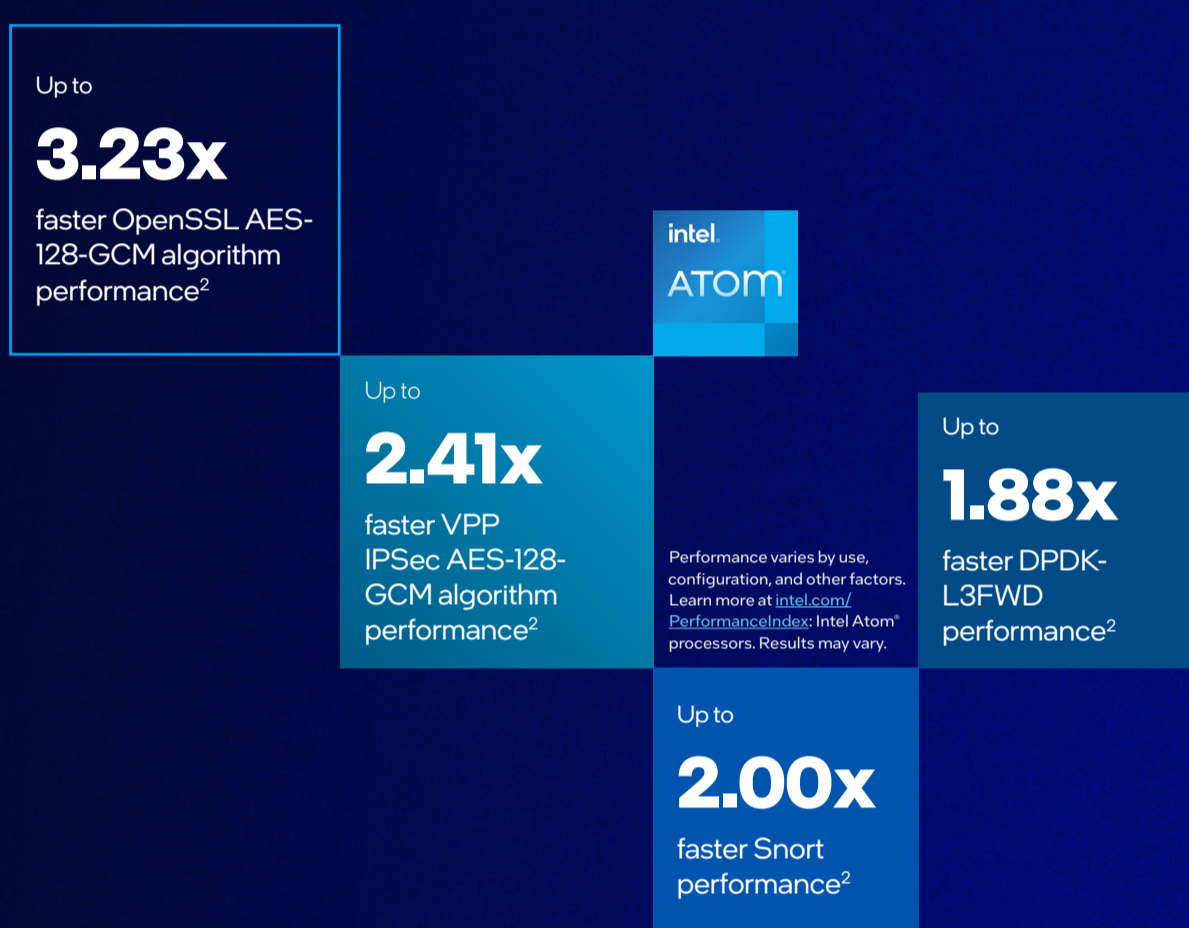
Break new ground in power-efficient network edge use cases, including SD-WAN, uCPE, and embedded single-board solutions.

The Intel Atom® processors x7000C Series delivers ramped-up frequency in up to eight Efficient-cores (E-cores) to drive exceptional packet processing throughput. Deploy simplified and cost-efficient appliances with prevalidated Intel® Ethernet, Wi-Fi, Bluetooth, and 5G components, and help your enterprise maximize the value of your technology investments with long-life availability.[1]

Intel Atom® processors x7000C Series
vs. Intel Atom® processors C3000 Series

Up to
3.23x
faster OpenSSL AES-128-GCM algorithm performance[2]

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Up to
2.41x
faster VPP IPSec AES-128-GCM algorithm performance[2]

Performance varies by use, configuration, and other factors. Learn more at intel.com/PerformanceIndex; Intel Atom® processors. Results may vary.

Up to
1.88x
faster DPDK-L3FWD performance[2]

Up to
2.00x
faster Snort performance[2]

Explore advanced network capabilities

Power-efficient performance
Scale device performance to meet the needs of your network with 2-, 4-, and 8-core options, and deploy compact, fanless designs[3] for power-efficient network security in space-constrained applications.

Tailored for network and security workloads
Secure remote networks with improved performance for AI-enhanced malware detection, URL filtering, and Unified Threat Management, and leverage hardware-based solutions to harden network infrastructure.

Fast deployments with longevity in the field
Get to market fast with prevalidated connectivity components and a ready-to-ship, modular development kit, and improve system reliability and uptime with Communication use conditions.[4]

Designed for enterprise networking and telecommunications
Accelerate packet processing and data encryption and enhance security for edge networking appliances using new deep learning inference capabilities.

SD-WAN, Universal Customer Premises Equipment (uCPE), Secure Access Service Edge (SASE) gateway, edge network and security appliances

Deploy next-gen performance with versatile configurations for value-driven networking appliances.

Learn more about the Intel Atom® processors x7000C Series at intel.com/atomx7000c ›

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