Cost-Efficient Processing Flexibility for Networking Workloads:

Transferring to 4th Gen Intel® Xeon® Scalable processors enables network operators to support networking workloads. With Intel® Advanced Vector Extensions (Intel® AVX) and Intel® QuickAssist Technology (Intel® QAT), network service providers can offload encryption, enabling next-generation firewalls (NGFWs) to support more compute power with energy efficiency to support cost containment and sustainability.

Network-optimized 4th Gen Intel® Xeon® Scalable processors support sustainability. The performance gains of 4th Gen Intel® Xeon® Scalable processors improve 5G core user plane functions in 5G virtualized RAN (vRAN) with low latency. Built-in accelerators of 4th Gen Intel® Xeon® Scalable processors improve high throughput and low latency that support sustainability goals.

Up to 30% performance-increases compared to 3rd Gen Intel® Xeon® Scalable processors, in the same thermal envelope and戏剧性的功耗。

The 4th Gen Intel® Xeon® Scalable processors provide higher throughput compared to the prior generation4 with 2x performance increase compared to 3rd Gen Intel® Xeon® Scalable processors. It can help deliver high performance to meet end-user expectations for high responsiveness and reduced TCO.

About 4th Gen Intel® Xeon® Scalable processors

The 4th Gen Intel® Xeon® Scalable processors are designed to power the delivery network while reducing energy costs and efficiency gains. They offer a path for enterprises and communications service providers (CoSPs) to optimize network performance-per-watt, including cloud-ready networks with vCMTS. Our 4th Gen Intel® Xeon® Scalable processors are optimized for SASE, including secure access service edge (SASE) and greater flexibility, scalability, and power efficiency to support cost containment and sustainability.

1. Up to 1.4x
2. 2x
3. Up to 1.8x
4. Up to 1.88x
5. Up to 1.71x
6. 2x

Support sustainability. Learn more at intel.com/4thgenxeon-network.