



# INTELLIGENCE AT THE 'EDGE': THE INTEL® XEON® D-2100 PROCESSOR


## EDGE COMPUTING BENEFITS




**OPTIMIZE TCO**



**REDUCE APPLICATION  
LATENCY**



**COMPLY WITH  
DATA LOCALITY**



**IMPROVE SERVICE  
CAPABILITIES**

- Augmented Reality (AR)
- Virtual Reality (VR)
- Autonomous Driving
- Artificial Intelligence (AI)

## INTRODUCING THE INTEL® XEON® D-2100 PROCESSOR



**OPTIMIZED**  
for power- and  
space-constrained network,  
storage and cloud-edge  
solutions

**FLEXIBLE**  
software-programmable  
platform with robust  
virtualization support

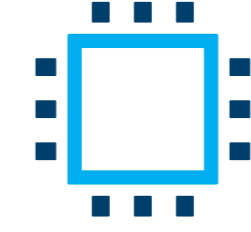
**SCALABLE**  
infrastructure for seamless application  
deployment from the data center to the edge

- Multi-Access Edge Computing (MEC)
- Virtual Customer Premise Equipment (vCPE)
- Software-Defined Wide Area Networks (SD-WAN)
- Cloud Warm Storage
- Cloud Web-Tier to Edge

## INSIDE THE INTEL® XEON® D-2100 PROCESSOR



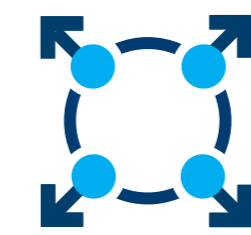
**Up to 1.6x performance improvement  
over previous generation<sup>1</sup>**



**Single-socket System on a Chip (SoC)  
with up to 18 cores built-on Intel®  
Mesh Architecture**



**Integrated Intel® QuickAssist Technology  
Up to 100 Gbps crypto acceleration**



**Up to 4 integrated Intel® Ethernet 10  
GbE Network Adapters**

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[www.intel.com/xeond](http://www.intel.com/xeond)

Benchmark results were obtained prior to implementation of recent software patches and firmware updates intended to address exploits referred to as "Spectre" and "Meltdown". Implementation of these updates may make these results inapplicable to your device or system.

Software and workloads used in performance tests may have been optimized for performance only on Intel microprocessors. Performance tests, such as SYSmark and MobileMark, are measured using specific computer systems, components, software, operations and functions. Any change to any of those factors may cause the results to vary. You should consult other information and performance tests to assist you in fully evaluating your contemplated purchases, including the performance of that product when combined with other products. For more information go to [www.intel.com/benchmarks](http://www.intel.com/benchmarks).

<sup>1</sup> Up to 1.6x performance improvement with Intel® Xeon® D-2183IT processor compared with previous generation Intel® Xeon® D-1581 processor on Integer application throughput. Configuration and workload details: SPECrate\*2017\_int\_base - estimates based on measurements on Intel Internal hardware: 1-Intel® Xeon® D-1581 processor (24M, 1.80 GHz), 4x16GB (64GB 2133MHz Micron 36ASF2G72PZ-2G6B1), OS: redhat-7.4 (3.10.0-693.el7.x86\_64 x86\_64), Compiler: IC18, BIOS: 1.0b, Storage: Intel SSD S3520 800GB, Network Device: NA, Network Speed: NA, QAT version: NA, Score: 44, compared to 1-Intel® Xeon® D-2183IT Processor (22M, 2.20 GHz), 4x16GB (64GB 2400MHz Micron 36ASF2G72PZ-2G6B1), OS: redhat-7.4 (3.10.0-693.el7.x86\_64 x86\_64), Compiler: IC18, BIOS: BKVDTRL1.86B.0005.D08.1712070559, Storage: Intel SSD S3520 800GB, Network Device: NA, Network Speed: NA, QAT version: NA, Score: 72.1.

Intel technologies' features and benefits depend on system configuration and may require enabled hardware, software, or service activation. No computer system can be absolutely secure. Check with your system manufacturer or retailer, or learn more at <https://www.intel.com/content/www/us/en/products/processors/xeon.html>.

Intel does not control or audit third-party benchmark data or the websites referenced in this document. You should visit the referenced website and confirm whether referenced data are accurate.

Tests document performance of components on a particular test, in specific systems. Differences in hardware, software, or configuration will affect actual performance. Consult other sources of information to evaluate performance as you consider your purchase. For more complete information about performance and benchmark results, visit [www.intel.com/benchmarks](http://www.intel.com/benchmarks).

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