

Asus Claims Fastest 2P Server Records

Written by Frederick Douglas
13 September 2019

Asus achieves top-performance world records for 2P servers (dual-processor servers), meaning it now holds a total of 67 top results from the Standard Performance Evaluation Corporation (SPEC) for benchmarks measuring computing-intensive performance.



The two servers holding the records are the RS720-E9 rack server and TS700-E9 tower server. Both based on the Intel Xeon Platinum processor, the RS720-E9 holds four 2P world records for compute-intensive applications with the SPEC CPU 2017 benchmark, including SPECint 2017 rate and SPECfp 2017 rate, while TS700-E9 holds four 2P world records for compute-intensive applications with the SPEC CPU2017 benchmark, including SPECfp 2017 and SPECfp 2017.

The SPEC CPU 2017 benchmark contains industry-standard CPU intensive suites for measuring and comparing compute intensive performance. The tests stress the processor, memory subsystem and compiler, providing a comparative measure of compute-intensive

Asus Claims Fastest 2P Server Records

Written by Frederick Douglas
13 September 2019

performance across the widest range of hardware using workloads developed from real applications.

The two servers feature Asus Performance Boost technology-- a set of processor optimisations reducing latency and increasing overall computing performance. The RS720-E9 and RS700-E9 feature a hybrid-storage design with dual processors and support for 24 DIMMS for up to 3TB of DDR4 2666 memory in 2U and 1U form factors. Also included are scalable PCIe 3.0 expansion slots and storage drives, allowing for high-performance computing (HPC).

The TS700-E9 is a 5U tower server with support dual processors and two dual-slot graphics cards. It can be easily integrated into datacentres as a rack server using a flexible tool-less rail kit. An optional redundant power supply ensures more reliable operation.

The RS720Q is a 2U4N high-density server with support for 2-8 processors (28 cores per processor) and 48 DIMMs for up to 6TB of DDR4 2666 RAM. The RS700A-E9 is an AMD EPYC-based server with up to 32 cores per processor with 128 threads and flexible storage capacity with up to twelve 2.5-inch HDDs in 1U form factor.

Go [Asus Announces New World Records for Fastest 2P Server Performance](#)