

The mainstream server for your most demanding workloads

The Intel® Server M50FCP Family is a full-featured, performance-optimized 2-socket server for data-intensive applications.



Outstanding processor performance

4th Gen Intel® Xeon® Scalable processors



Up to **60** powerful cores per processor (120 cores per server)

Built-in accelerators¹



Artificial Intelligence

Data streaming

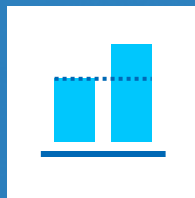
Load balancing

In-memory analytics

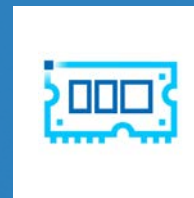
Data encryption and compression

IT Infrastructure

Platform-wide acceleration



Up to **1.53x average performance gain** over prior generation (with 4th Gen Intel® Xeon® Platinum 8490H processor)²



Supports DDR5 memory for **1.5x memory bandwidth³** vs prior gen



Supports PCIe 5.0 for **2x I/O performance⁴** vs prior gen

Learn more: www.intel.com/server-system-m50fcp

1. Built-in accelerators will depend on specific processor SKU included.

2. See claim [G1] at <https://edc.intel.com/content/www/us/en/products/performance/benchmarks/4th-generation-intel-xeon-scalable-processors>. Results may vary.

3. DDR5 memory for 1.5x memory bandwidth versus previous generation compares 4th Gen Intel® Xeon® Scalable Processor (formerly codenamed Sapphire Rapids) with 8 channels of DDR5 at up to 4800 MT/s for 1 DIMM per Channel (1 DPC) vs. 3rd Gen Intel® Xeon® Scalable Processor (formerly codenamed Ice Lake-SP) with 8 channels of DDR4 at 3200 MT/s for 2 DIMMs per Channel (2 DPC).

4. 2x I/O performance versus previous generation compares PCIe 5.0 at 32 GT/s transfer rate vs. PCIe 4.0 at 16 GT/s.

Performance varies by use, configuration and other factors. Your costs and results may vary. Learn more at www.intel.com/PerformanceIndex.

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