



# FP5290G2 Server

A Top OpenPOWER server providing high specification, high performance and high quality  
It offers large memory footprint of up to 4 TB in a dense form factor and helps deliver high performance and reliability for enterprise Linux workloads



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Best choice for application scenarios such as database, memory computing, and cloud bare metal server based on outstanding performance in computing, storage, and network.  
The FP5290G2 is the new scale-out enterprise performance for business critical workloads. The OpenPOWER server delivers high performance and expandability, unleashing the power of compute.

## Feature spotlights

### Superior Performance

OpenPOWER9 LaGrange CPU, 2 Sockets up to 44 cores(2.9Ghz) and 176 threads  
Ultra high CPU interconnect bandwidth  
Next Gen PCIe - PCIe Gen4 2x faster vs PCIe Gen3

### Optimized for Heterogeneous computing

NVLink2.0 - higher bandwidth and lower latency for GPU to CPU  
OpenCAPI - higher bandwidth and lower latency for FPGA/ASIC to CPU

### Optimized for memory computing

Up to 16 memory channels offering higher bandwidth  
Up to 32 DDR4-2666 DIMM Slots offering max 4TB capacity

### High cost performance

Low TCO through system optimization of cooling and power supply, industry standardization and more flexible service and support

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## Tech Specs & Customization

Processor	OpenPOWER9 LaGrange CPU , 2 Sockets, up to 2.9GHz, 225W up to 22 cores enabled on a single chip , each core supports 4 threads
Memory	32 DDR4 DIMM slots, Supports RDIMM/LRDIMM, speeds up to 2666, 4TB max
Drive Bays	Front drive bays: 12 x 3.5" SAS/SATA/U.2 NVMe HDD drives (up to 4NVMe SSDs ) Internal drive bays: 2 x M.2 SSD
Network Ports	On-board: 2 x 1GE Options: 1GE/10GE/25GE/40GE/100GE or 100Gb EDR IB
PCIe Expansion	Up to 10 PCIe slots (4 x PCIe4.0 + 6 x PCIe3.0)
Acceleration Ports	2 x NVLink2.0 or OpenCAPI
RAID	<ul style="list-style-type: none"><li>· RAID 0/1/5/6/10/50/60</li><li>· Supports 1/2/4 GB cache; supports a supercapacitor for cache power-off protection</li></ul>
Ports	Front ports: 1 x VGA, 2 x USB 3.0 Rear ports: 1xVGA, 1x serial, 2 x USB 3.0, IPMI Manager network port
Fan Modules	6 hot-swappable counter-rotating fan modules with optional N+1 redundancy
Power	Platinum 800W, 1300W, 1600W, 2000W, 2 Hot plug power supplies with redundancy
OS	Red Hat Enterprise Linux, Ubuntu, NeoKylin
Chassis	436mm × 86mm × 826mm
Weight	<33kg
Operating Temperature	5°C to 35°C (41°F to 95°F)