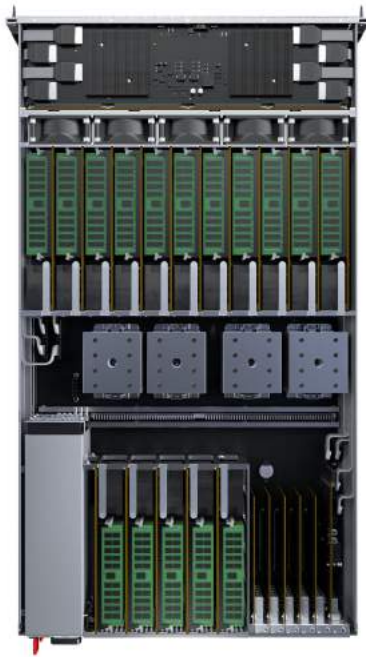




VESNIN IS A FOUR-SOCKET SERVER SUPPORTING UP TO 48 POWER8 CORES AND 8 TB MEMORY IN ULTRA DENSE 2U FORM FACTOR



Most affordable high performance POWER8 system

Ultimate density for data center efficiency

Optimized for I/O intensive workloads

Unmatched price/memory value for a single system

YADRO VESNIN is the world's first OpenPOWER enterprise class high-performance server designed for cutting edge in-memory applications with outstanding footprint. It combines four POWER8 CPUs performance with commodity class industry standard DDR4 RDIMM modules of total volume up to 8 TB with 460 GB/s aggregated memory bus bandwidth.

VESNIN server supports growing demand of efficient scale-out installations for data intensive in-memory computing applications. Integrated industry standard management features make deploying and maintaining large scale environments easier.

Brand new **VESNIN** OpenPOWER server excels in performance over x86 competition for comparable workloads and enjoys best scale-out TCO standing. **VESNIN** delivers shortest response time for elaborate analytics over big data – querying and sorting large unstructured datasets or generating an avalanche of business reports leaves competing x86 solutions lagging behind.

Integrated NVMe storage backplane provides connection for up to 24 NVMe SSDs and delivers fastest possible local storage up to 12 mln IOPS with total bandwidth up to 60 GB/s.

VESNIN server is the only solution on the market capable to capture and store on persistent storage up to 320 Gb/s aggregated network stream.

SPECIFICATIONS

PROCESSOR AND MEMORY	
Processor	Up to 4 POWER8 Turismo SCM
Cores	Up to 48
Threads	Up to 384
Level 2 (L2) cache	24 MB
Level 3 (L3) cache	384 MB
Level 4 (L4) cache	256 MB
Memory modules	Up to 128 DDR4 RDIMMs with ECC support
Memory volume	Up to 8 TB
Memory bus bandwidth	Up to 460 GB/s
I/O AND STORAGE	
Standard backplane	24 × 2.5" NVMe SSD (U.2)
Optional backplane	24 × 2.5" SAS HDD or SSD
PCI Express bus	PCI Express Gen3
PCI Express adapter slots	2 x16, 3 x8
Network ports	Dual 1000BASE-T ports
MANAGEMENT, SOFTWARE AND WARRANTY	
Dedicated management card	BMC with IPMI 2.0 support, REST, WebUI, CLI, SNMP
Firmware	YADRO OpenBMC
Management network	Single 1000BASE-T port shared with host
OS compatibility	Linux, FreeBSD
Warranty	3 years, 9×5 Advanced warranty coverage available
POWER, COOLING AND PHYSICAL SPECIFICATIONS	
Power supply	1+1 redundant 80 PLUS Titanium up to 3000 W CRPS PSUs with hot swap
Cooling	Five 80 mm fans with hot swap
Form factor	2U in industry standard 19" rack 448 × 815 × 87.9 mm / 17.6 × 32.08 × 3.46 inches