

Level Up Your Analytics

10-100x performance improvement with **NeuroBlade**

The NeuroBlade SPU revolutionizes data analytics with 10-100x faster SQL query acceleration. The SPU seamlessly integrates with your current infrastructure, tools and queries, offloading SQL tasks from the CPU for optimal efficiency. NeuroLink™ provides a direct, optimized chip-to-chip network that allows for SPUs to expand to multiple nodes without compromising performance.



Size	FHHL Form Factor
Power (TDP)	150W
SPU	Up to 4 SPU G200 per server
СРИ	
Метогу	-
Storage	Up to 64TB Uncompressed
NeuroLink™	No
Supported OS	Linux



Dell PowerEdge R760XL

Size	2U
Power (TDP)	1800W
SPU	Up to 4 SPU G200
CPU	2x Intel Xeon Platinum
Memory	512GB to 4TB
Storage	Up to 256TB Uncompressed
NeuroLink™	No
Supported OS	Linux



Size	6U
Power (TDP)	4000W
SPU	8
СРИ	2x Intel Xeon or 2x AMD EPYC
Memory	512GB
Storage	Up to 512 TB Uncompressed
NeuroLink™	Yes
Supported OS	Linux



NeuroBlade SPU SQL Processing Unit

Holistic, industry-first, proven acceleration for petabyte-scale analytics processing

10-100x

performance improvement with **Neuroblade**

Illustrative Performance Benchmarks

10-100x

NeuroBlade SPI



Hardwareenhanced

acceleration at the speed of I/O for any query engine



No change to existing

NeuroBlade

query platforms and file formats (e.g. refactoring, optimization)



Consistent performance

agnostic of query complexity



Accelerate AI/ML pipelines

for faster and more accurate results

<u>1x</u>

Without SPU

Illustrative performance of NeuroBlade SPU vs alternatives available, with a reference benchmark running Apache Spark