

# DB-Turbo IO

Scale-OUT configuration for emerging  
MPP databases

RUN YOUR DATA-APPLICATION AT SCALE WITHOUT  
COMPROMISES



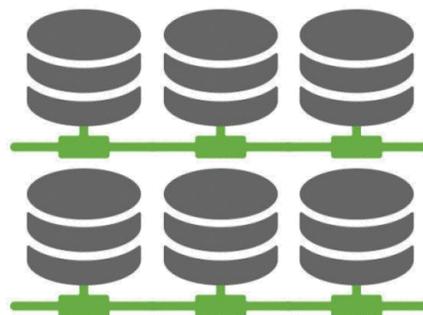
THE NEXT GENERATION DATA PROCESSOR MACHINE HAS ARRIVED

Extreme Speed Turn-Key Solution for any MPP database

Many SQL and no SQL databases designed for large data volumes are built on massively parallel processing (MPP) architectures to provide scalability and high-performance queries on large data volumes. MPP architectures consist of many servers running in parallel to distribute processing and input/output (I/O) loads.

## MPP systems feature multiple servers

DB-Turbo IO scale-OUT provides the best hardware and software configuration to build powerful MPP infrastructure with no pain.





and  
more  
...



## DB-Turbo IO scale-OUT Configuration

The DB-Turbo IO scale-OUT configuration, as like all the DB-Turbo IO systems, is a “Data Processor Machine” engineered to deliver dramatically better performance, cost-effectiveness, and availability for databases and applications with intensive IO operations over data. DB-Turbo IO scale-OUT features a modern cloud-based architecture with scale-OUT high-performance database servers, scale-OUT intelligent storage servers combined with state-of-the-art PCIe flash (NVMe), and an ultra-fast internal fabric that connects all servers and storage. The liquid architecture of the scale-OUT DB-Turbo IO provides extraordinary flexibility in the storage and IO configuration that permits to achieve the best performance for the applications. The A3Cube Rhapsody™ orchestrator and operating system optimization, in combination with A3Cube Fortissimo Foundation™ computing suite deliver higher performance and capacity at lower costs than other platforms. DB-Turbo IO runs all types of database workloads including Online Transaction Processing (OLTP), Data Warehousing (DW), In-Memory Analytics as well as consolidation of mixed workloads. Simple and fast to implement, the DB-Turbo IO Data Processor Machine powers and protects your most important databases.



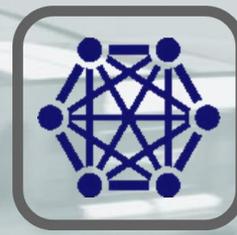
**Ready to Run SQL on Massive Dataset at Light Speed**

*The holistic optimization of the system provides the maximum speed to the applications.*



**Best in class scalability**

*The best in class combination of CPUs, Memories, SSDs and inter-servers Interconnection combined with a powerful yet easy to use orchestrator delivers a real linear scalability.*



**Best in class Interconnection**

*Ultra-low latency interconnection is the key for the modern scale-OUT applications.*



**Best Database Acceleration**

*Benchmarks show up to more than 40x application acceleration compared to traditional systems.*