



D1000 Series

NeoAmethyst D1000 can provide easy unstructured data management in physical, virtual, and cloud environments, such as media contents (video, image, audio, etc.), backup images and archiving, virtual image, as well as big data (log, RFID data, etc.) and is ideal for a variety of scenarios, such as telecommunication, entertainment, education, energy, and public utilities.

Specification

NeoAmethyst D1000	
Storage Architecture	Fully symmetric distributed architecture with no metadata Support file, object, and block storage services
Nodes Type	General models, Capacity models, Performance models
Min. Number of Nodes	3
Max. Number of Nodes	65536
Front-end Network Types	1GbE Ethernet or 10GbE Ethernet or 25GbE or 100GbE or InfiniBand
Back-end Network Types	10GbE Ethernet or 25GbE or 100GbE integrated Soft-RoCE, low-latency Ethernet InfiniBand data transmission, InfiniBand, Remote DMA
Data Redundancy	Erasure Code, Replication
Data Replication	Remote data replication can keep the target data when the source data is deleted. Flexible setting of schedules and policies Data archiving Diverse replication modes: one-to-one, one-to-many, many-to-many One-way and two-way replication Incremental replication
Thin Provisioning	Supported
Data Self-Healing	Automatic, concurrent and quick data recovery

 (https://www.accelstor.com) Multiple Protocols Supported	iSCSI, NFS, CIFS, FTP, HTTP, HTTPS, HDFS, Amazon/S3, SNMP, NDMP, EN LDAP, Microsoft Active Directory
OS	Solaris, AIX, HP-UX, Windows, Linux, Mac OS
System Management	Web-UI and directory-based capacity management. Storage space isolation, different configurations, certifications and authority could be applied. Alarm notification by email, SMS, SNMP, SYSLOG Storage performance monitoring: graphical display of real-time and historical performance data
System Maintenance	Automatic faulty disk detection and alarm notification with support for batch replacement of faulty disks, eliminating the need for immediate disk replacement and reducing manual maintenance workloads
Enterprise-Level Features	CACHE modules for power-off protection, SSD lifespan monitoring The built-in Netdisk service offers a managed file sync and shares solutions with below outstanding features: -- No limitation on upload/download speed -- No limitation on file transfer size -- Inherent high availability from D1000 distributed storage, ensuring continuous data access when any single node faults, no data loss if at least one node is alive(Multiple Replicas) -- Live preview, online editing, package downloading, annotation, Version Control, Favorites file/folder, message notification, resume from a breakpoint, file share, external link management, collaborative editing, file sync, conflict management, etc. SaaS offer: -- built-in approval process for storage resource management -- authority management -- easy operation with Web UI



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