

PAC Storage All Flash Scale-Out NAS

NEXT GENERATION DATA STORAGE

APPLICATIONS

High Performance Computing (HPC)



Media & Entertainment



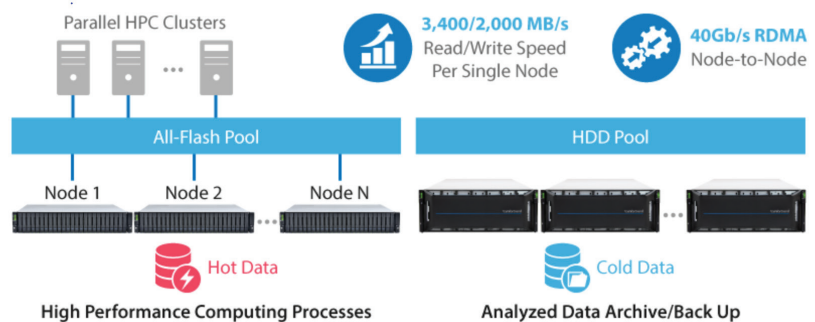
KEY FEATURES

- Integrated Enterprise-Class NAS with Cloud Gateway Option
- High Performance, Ultimate Scalability
- High Availability with No Single Point of Failure
- Auto-balancing to evenly distribute data across all nodes
- Easy to Deploy & Manage
- Centralized GUI Firmware with remote replication, Snap Shot, Built-in Cloud Gateway
- 3 Year Warranty and Support included and up to 10 years

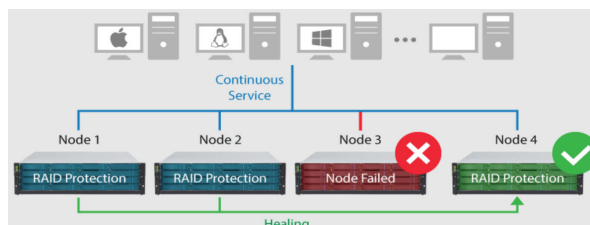
PAC Storage All Flash Scale-Out NAS system offers ultimate throughput and lightning speed. Utilize the horsepower of each SSD node with the efficiency and full data protection of a cluster configuration to get Extreme Read/Write speed and full data protection across each node. PAC Storage Scale-Out NAS provides the flexibility to meet different application requirements, whether throughput-intensive high-performance computing (HPC) applications or capacity-intensive workloads, such as Media and Entertainment, Surveillance, Backup and Archive.



The All-Flash Scale-Out supports up to 3,400 MB/s Read and 2,000 MB/s Write speed per single node and 40Gb/s RDMA node-to-node connection. The PAC Storage Scale-Out storage allows you to maximize system efficiency by allocating colder data in high capacity all-HDD pool, and hot data in high performance all-flash pool. In this way, you can meet both the requirements of shorter response time and massive capacity with optimized costs.



Full Data Protection: You are covered on all fronts through multiple data protection mechanisms, including Rsync, SED hard disk encryption, Write Once Read Many (WORM) and SSL encryption



- UP TO 144 Nodes, 100PB storage
- UP TO Scale-Up to 100 Drives
- UP TO 100 GBps (Read/Write)
- Data Protection w/ SED, W.O.R.M
- 3 Year Warranty, Easy Management

PAC STORAGE

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PAC Storage All Flash Scale-Out NAS



PHYSICAL SPECIFICATIONS		
Controller	Single Controller Per Node	
Form factor	2U 25-Bay	
Number of Nodes	3-144	
Max. drives number (per node)	100	
Power supply unit	Power supplies	Dual 530W (80 PLUS Bronze)
	AC voltage (with PFC(auto-switching))	100VAC@10A to 240VAC@5A
	Frequency	50-64 Hz
CPU(Per Node)	1 x Intel Skylake-D (12 Core)	
Cache memory (per node)	Default 64GB Expandable to 256GB	
Onboard SAS expansion ports (per node)	2 x 12Gb/s SAS wide ports	
Service USB service ports (per node)	1x USB 3.0	
Management port (per node)	1 x 1GbE port (RJ-45)	
Front-end network type (per node)	4 x 10GbE ports (SFP+)	
Internal network type (per node)	Required options (select one):	
	2 x 25GbE ports (SFP28)	
	2 x 40GbE ports (QSFP+)	
Configurable Writes policy	Write-back	
Max. file system size	Max. file system size	2PB
	Max. number of user accounts	20000
	Max. number of user groups	512
	Max. number of folder sharing	1024
	Max. number of rsync jobs	1024
	Max. number of rsync concurrent processes	64
	Max. number of concurrent connections (NFS/CIFS) (per node)	64GB memory: 1024 128GB memory: 2048 256GB memory: 4096
RAID Options	RAID 5,6	
Protocol support	File Level Protocol CIFS/SMB (Version 2.0/3.0), NFS (Version 3.0)	
PS Cloud Gateway	Support the integration with following cloud providers: Amazon S3, Microsoft Azure, Alibaba AliCloud, Baidu Cloud, Tencent Cloud, OpenStack	
PHYSICAL SPECIFICATIONS		
Form factor	2U 25-Bay	
Supported Drives--All nodes must have matching drives	2.5" SSD SAS drives	
Max. Drives number (per node)	100	
SOFTWARE SPECIFICATIONS		
Self-encrypting drives	Unique factory encryption secures data plus makes deletion simple and complete	
Remote Replication(File Level)	Support Rsync with 128-bit SSH encryption	
Drive Installation	HDD node	
	Distributed mode	
Data Protection Level	Erasure code cross node protection (N+1, N+2)	
	Replica cross node protection (x2, x3)	