PAC Storage Scale-Out NAS

NEXT GENERATION DATA STORAGE

APPLICATIONS

High Performance Computing (HPC)	Media & Entertainment	Surveillance	Backup/Archive

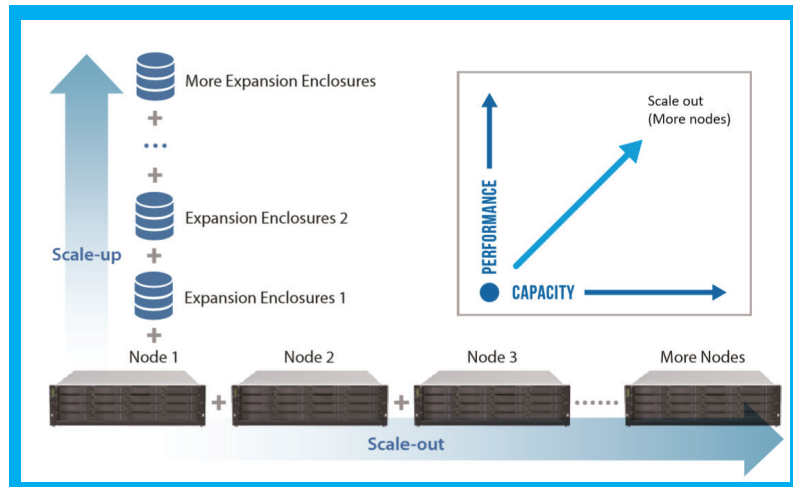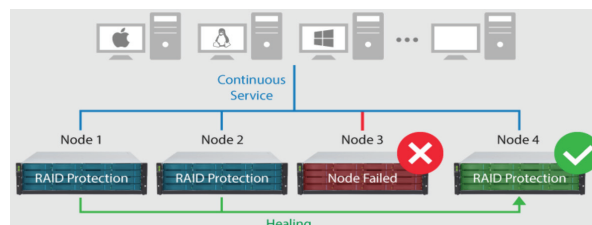## KEY FEATURES

- Integrated Enterprise-Class NAS with Cloud Gateway Option

- High Performance, Ultimate Scalability

- High Availability with No Single Point of Failure

- Easy to Deploy & Manage

- Centralized GUI Firmware with remote replication, Auto Tiering, Snap Shot, Thin Provisioning, Built-in Cloud Gateway

- 3 Year Warranty and Support included and up to 10 years

PAC Storage Scale-out NAS system offers ultimate high performance and capacity expansion capabilities. Utilize the horsepower of each node with the efficiency and full data protection of a cluster configuration to get 100+ GBps Read/Write speed and up to 100 PB of storage.

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 84 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 Scale-Out NAS

PHYSICAL SPECIFICATIONS

		3U 16-bay	4U 24-Bay	4U 60Bay
Controller		Single Controller		
Form factor		3U 16-bay	4U 24-Bay	4U 60Bay
Number of Nodes		3-144		
Max. drives number (per node)		76	84	120
Power supply unit	Power supplies	Dual 530W (80 PLUS Bronze)		1600W (80 Plus Plat)
	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	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

	3U 16-bay	4U 24-Bay	4U 60Bay
Form factor	3U 16-bay	4U 24-Bay	4U 60Bay
Supported Drives--All nodes must have matching drives	2.5" 10,000 RPM SAS drives 2.5" 15,000 RPM SAS drives 3.5" 7,200 RPM Nearline SAS HDD 2.5" SSD SAS drives		
Max. Drives number (per node)	76	84	120

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
Data Protection Level	Distributed mode Erasure code cross node protection (N+1, N+2) Replica cross node protection (x2, x3)