

PAC Storage Scale-Out NVMe

Purpose-Built for Superior Read and Write Throughput and Intelligence for your High-Performance Workflows

APPLICATIONS

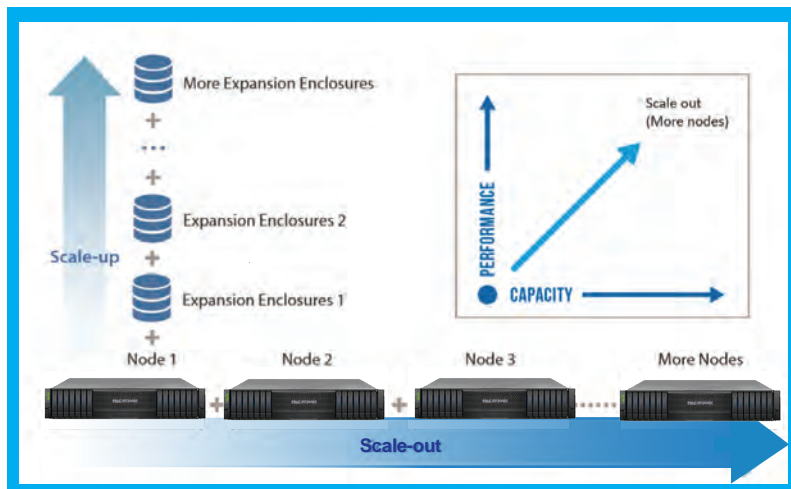
High Performance Computing (HPC)

Media & Entertainment

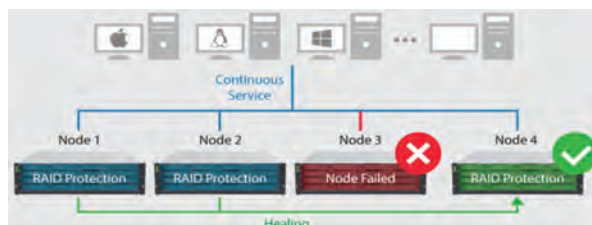
Big Data

Artificial Intelligence

PAC Storage Scale-Out NVMe NAS system brings ultimate throughput and lightning speed. The new NVMe 14 Bay satisfies high performance-demanding requirements for high throughput and low latency workloads, such as media & entertainment (M&E), HPC, Big Data, and many more.



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 **Scale-Out to 144 Nodes**

- UP TO **Scale-Out to 2.5PB NVMe+ Auto Tiering Available**

- UP TO **1M IOPS and 100 GBps (Read/Write)**

- 5 Layers Data Protection w/ Node, Cluster, RAID, SED, W.O.R.M**

- 3 Year Warranty, Easy Management**

KEY FEATURES

- Enterprise-Class Scale-Out NAS with NVMe U.2 SSD drives and Cloud Gateway
- 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 NVMe

PHYSICAL SPECIFICATIONS			
Controller		Single Controller Intel Xeon D-12 Core	
Form factor		2U 14-Bay	
Number of Nodes		3-144	
Max. drives number (per node)		74 (14 RAID plus Scale Up)	
Power supply unit	Power supplies	Dual 530W (80 PLUS Bronze)	
	AC voltage (with PFC(auto-switching))	100VAC@10A to 240VAC@5A	
	Frequency	50-60 Hz	
CPU(Per Node)		1 x Intel Xeon-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)		10GbEx2(SFP+) or 10GbEx4 (SFP+) or 25GbEx2(SFP28) or 40GbEx2(QSFP+)	
Internal network type (per node)		10GbEx2(SFP+) or 25GbEx2(SFP28) or 40GbEx2(QSFP+)	
File System			
	Max. file system size	800TB	
	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 Node Protection: Erasure Code or Replica, Cluster Protection: Rsync	
Protocol support		File Level Protocol CIFS/SMB (Version 2.0/3.0), NFS (Version 3.0), FTP	
Management		ACL Control, Web-Based EonOne software, Quota Management, User Account Management, Microsoft Active Directory, Linux LDAP, NIS authentication, Storage Resource Management	
PHYSICAL SPECIFICATIONS			
Form factor		2U 14-Bay	
Supported Drives--All nodes must have matching drives		2.5" U.2 SSD	
Max. Drives number (per node)		74	
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		PCIe	
Data Protection Level		Distributed mode Erasure code cross node protection (N+1, N+2) Replica cross node protection (x2, x3)	