

PAC Storage PS 2000

ENTERPRISE STORAGE WITH EXCEPTIONAL COST PERFORMANCE

PAC Storage PS 2000 is the popular choice for entry-level enterprise storage as a result of its high performance and competitive price. The high availability solution exclusively designed for enterprises, integrating SAN, NAS and Cloud Gateway features. The 2000 array comes in multiple form factors, flexible host boards to choose from, and stable, reliable modular design with high expandability. For software, it comes with complete data services and simple, intuitive management interfaces. The PS 2000 is fast, flexible, and reliable, so that you can find the perfect storage device according to your performance & budget needs.



KEY FEATURES

- Enterprise-Class Unified Systems
- Integrated SAN/NAS with Cloud Gateway Option
- Dual Active-Active Controllers
- Scalable to 896 SAS, SSD, 10K, 7200NL drives
- Dual Active-Active Controllers
- High Availability & IDR
- No Single Point of Failure
- Centralized GUI Firmware with remote replication, SSD caching, Auto Tiering, Snap Shot, Thin Provisioning, Build in Cloud Gateway
- 3 Year Warranty and Support included and up to 10 years

APPLICATIONS

| | | | | | |
|--|--|-------------------------|---|---------------------------|--|
| Media & Entertainment | Virtualization CITRIX | Database | Surveillance File Server | Backup | Exchange Hybrid Cloud |
|--|--|-------------------------|---|---------------------------|--|

Symmetric active-active controllers

PAC Storage PS 2000 Next Generation offers symmetric active-active controllers for performance and high availability. Hosts can access the same LUNs simultaneously via both controllers. I/O are more equally distributed across both controllers and all paths, effectively minimizing costly path management time. In the event of a path failure, I/O can automatically continue through the remaining paths with little or no failover.

Infinite Storage Capacity on Cloud

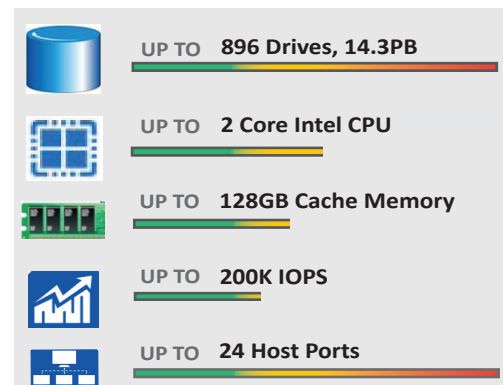
One of the key benefits of cloud storage solutions is the unlimited scalability and flexible “scale on demand” model, which allows you to expand your storage capacity as needed, without upfront investment, to fit your capacity requirements as they evolve. By integrating the Intelligent Gateway Engine and supporting a wide range of both private cloud and public cloud services, the PS 2000 offers various cloud functions such as Cloud Tiering, Cloud Cache and Cloud Backup to make the most of cloud’s advantages. These functions perfectly combine local and cloud storage, automatically and optimally allocating data, while saving setup and maintenance costs in the process.

Comprehensive Data Protection and Security

Security threats are by no means the only concern when it comes to safeguarding data. Unexpected disk failures, natural disasters and power outages all up the risk of data loss. PAC Storage PS2000 ensures that risk is minimal with its integrated backup functions such as Intelligent Drive Recovery (IDR), snapshot, local replication, remote replication, and file-level rsync.

New:

32Gb FC, 25GbE Connectivity
14 & 16 TB Drives



PAC STORAGE

www.pacstorage.com

Email: sales@pacstorage.com
Phone: 949.360.1796

| PHYSICAL SPECIFICATIONS | | PS 2000 |
|---|--|---|
| Form Factor | | 2U 12-bay 2U 24-bay 3U 16-bay 4U 24-bay |
| Controller | | Dual-redundant |
| Max. SSD cache pool | | 3.2TB |
| Cache backup techniques | | Super capacitor+Flash module |
| Power supply unit | Power supplies | Redundant / hot-swappable: 460W x 2 (80 PLUS Bronze) |
| CPU | | 2x Intel Broadwell-DE (Pentium) PS 2000: 2 Core |
| Cache memory | | Default DDR4 16GB Up to 128GB |
| Onboard SAS expansion ports | | 2 x 12Gb/s SAS wide ports |
| Onboard iSCSI ports (1Gb RJ-45) | | 8 |
| Host board ports | | 4 x 16Gb/s FC ports 4 x 1Gb/s iSCSI ports 2 x 10Gb/s iSCSI ports (SFP+) 2 x 10GbE ports (RJ-45) 2 x 25GbE ports (SFP28) 2 x 12 Gb/s SAS ports |
| Host board + onboard ports (max.) | | Note: 1. The two controllers must have identical slot settings. 2. Fiber Channel supports point-to-point and switch mode. 24 |
| Configurable writes policy | | Write-Back or Write-Through per logical drive. This policy can be modified. |
| Max. pool size | | 2PB |
| Max. pool number | | 32 |
| Max. volume size | | 2PB |
| Max. host LUN mapping number | | 4000 |
| Max. host port connection | | 24 |
| File Level | Max. file system size | 2PB |
| | Max. number of user accounts | 20000 |
| | Max. number of user groups | 512 |
| | Max. number of folder sharing | 2048 (NFS/CIFS/FTP) 255 (AFP) |
| | Max. number of rsync jobs | 1024 |
| | Max. number of rsync concurrent connections (NFS/CIFS/AFP/FTP) | 64 |
| RAID options | | • 16 GB memory: 200 • 32 GB memory: 512 • 64 GB memory: 1024 • 128 GB memory: 2048 RAID 0, 1, 3, 5, 6, 10, 30, 50, 60 |
| Protocol support | | File Level Protocol: CIFS/ SMB: Version 2.0/3.0, NFS: Version 2/3/4, AFP, FTP, FXP, WebDAV Block Level Protocol : FC, FCoE, iSCSI, SAS, InfiniBand Object Level Protocol: OpenStack Swift, RESTful API |
| PS Cloud Gateway | | Support the integration with following cloud providers: Amazon S3, Microsoft Azure, Alibaba AliCloud, OpenStack, Baidu Cloud, Tencent Cloud and Google Cloud |
| PHYSICAL SPECIFICATIONS | | |
| Form factor | | 2U 12-bay 2U 24-bay 3U 16-bay 4U 24-bay |
| Supported drives | | 2.5" SAS SSDs 2.5" 10,000 RPM SAS HDD 2.5" 15,000 RPM SAS HDD 3.5" 7,200 RPM Nearline SAS HDD |
| Max. drives number | | 896 |
| Dimensions (without chassis ears/protrusions) | | 2U: 447(W) x 88(H) x 500(D) mm 3U: 447(W) x 130(H) x 500(D) mm 4U: 447(W) x 175(H) x 500(D) mm |
| SOFTWARE SPECIFICATIONS | | |
| Self-encrypting drives | | Unique factory encryption secures data plus makes deletion simple and complete |
| Thin Provisioning (default included) | | "Just-in-time" capacity allocation optimizes storage utilization and eliminates allocated but unused storage space |
| Local Replication | Snapshot | Snapshot images per source volume: Standard License: 64 / Advanced License: 256 Snapshot images per pool: Standard License: 128 / Advanced License: 4096 |
| | Volume Copy/Mirror | Replication pairs per source volume: Standard License: 4 / Advanced License: 8 Replication pairs per system: Standard License: 16 / Advanced License: 256 |
| Remote Replication(Block level)(optional) | | Replication pairs per source volume: 8 Replication pairs per system: 64 |
| Remote Replication(File Level) | | Note: The max # of replication pair per source volume is up to 8, regardless of remote asynchronous/remote synchronous/local volume pairs. Support Rsync with 128-bit SSH encryption |
| Automated Storage Tiering(optional) | | 2 or 4 storage tiers based on drive types SSD supports Automated data migration with scheduling options |
| SSD Cache(optional) | | Accelerating data access for random read-intensive environments, such as OLTP Supports up to four SSDs per controller |
| PAC Cloud Gateway | File- level | Cache Mode: A copy of frequently accessed file is kept on a local storage and all files are also uploaded to cloud Sync Mode: Synchronizing files between local storage and cloud. |
| | Block- level | Cache Mode: A copy of frequently accessed data is kept on a local storage and all data are also flushed to cloud. Backup Mode: All data are kept on local storage and all data are also flushed to cloud. Tiering Mode: Frequently accessed data is kept on local storage and infrequently accessed data is migrated to cloud |