AFM Vision
Your Security is our Vision

AFM-IDCIPSAN

Dual Controller IP SAN Storage System

Key features

- Dual Controller design
- Comprehensive and Efficient Management
- SAS technology. support mixture of SAS/SATA hard drives in enclosure
- Multiple RAID Level and Stripe Size
- Multi-level MAID Technology
- Array Recovery Utility & RAID 6
- ASST - Active Streaming Stabilize Technology
- OKTT - One Key Tuning Technology
- Online RAID Expansion
- Online Volume Expansions
- Hard Disk Migration and Roaming
- 4 x 1Gbps iSCSI ports per controller

Summary

AFM-IDCIPSAN Series is a professional unified storage system with high flexibility, scalability and performance. It features with integrated multiple technical interfaces providing both front and back ends with flexible construction. Through the integrated high-performance processors and the latest iSCSI 1Gbx4 host ports, AFM-IDCIPSAN supports high data transmission rates. Its powerful hardware engine, high scalability and user-friendly management interface makes the AFM-IDCIPSAN the ideal choice for various small to medium size of applications such as database, file services, and media streaming.

Unified Storage Systems

AFM-IDCIPSAN is a unified storage system, interface can be flexibly changed to FC, SAS and iSCSI. The hard disk interface also supports SAS and SATA. Changing the interface without modifying Firmware or configuration, it can simplify to maintain and reduce the workload

STORAGE SYSTEMS (I SERIES)

High Performance

AFM-IDCIPSAN Series provides advanced 4Gb FC, 12Gb SAS x 4 and 1Gb iSCSI x 8 for host connection and uses the state-of-arts PowerPC processor, which allows up to 1600MB/s throughput, providing great performance for the most heavy duty applications

SBB2.0 Technology

SBB2.0 (StorageBridgeBay) improves storage interface standardization and create a common standard to support the high-energy components and high-density disk package, making the modules based on the SBB to improve interoperability. AFM-IDCIPSAN using SBB2.0 Design, to strengthen the module common to reduce spare parts inventory, reduce service costs. Efficiently reduce maintenance costs and improve maintenance efforts. In addition, its transmission quality enhanced, high standard cooling requirements, so that use SBB2.0 of the AFM-IDCIPSAN product more stable and more reliable

Multi-Level MAID Technology

AFM-IDCIPSAN supports multi-class MAID (Massive Arrays of Idle Disks) technology. MAID will only start the hard disk when there is data access in order to save the energy. MAID technology can power saving 20 ~ 30%, also can reduce the frequency of access to extend the life of hard disk. It mainly use in Near line Storage device especially for backup, archiving and etc.

ASST (Active Streaming Stabilize Technology)

ASST (Active Streaming Stabilize Technology) allows the system to provide high-speed and stable performance. Through ASST, the system not only can smooth the transition between video streaming peaks and drops, it also optimize the data transferred the host block size and frequency, so that the delay jitter is minimized and transmission performance has remained stable. ASST very suitable for audio and video production and broadcast, which can effectively avoid the risk of dropped frames

Specification

Model	AFM-IDCIPSAN
Controller	Dual controller
RAID Level	RAID 0, 1, 5, 6,10. Automatic RAID rebuild
Bandwidth	1600MB/s
IOPS	200,000
Interface	4 x 1Gb iSCSI ports per controller
Management port	10/100Mb Ethernet, RS232
Storage controller	RISC AMCC 440SPe
Controller configuration	Single / Dual Active-Active controller
Cache memory	4GB (Standard) per controller, max. 16GB per controller
HDD quantity per enclosure	16 pcs
JBOD quantity per main unit	7 pcs
HDD quantity per system	128 pcs
Capacity / Form factor	300/600/900 GB SAS, 1/2/3/4 /6TB NL SAS
Maximum capacity	768 TB
Number of LUNs	1024
OS supported	MS Windows, Linux, SUN Solaris, IBM AIX, HP-UX, Mac OS, VMware
Management software Optional	AFM Storage Manager AFM Path Manager multi - path management software, end-to-end I/O path fail - over and recovery, dynamic I/O load balancing
Dimensions	132mm (H) x 484mm (W) x 564mm (D) 3U EIA 19" rack mount 23kg ± 5%(not including HDD)
Temperature (operating)	10°C - 40°C (working environment) -10°C - 70°C(non - working environment)
Relative humidity (operating)	20% - 80%non-condensing(working environment) 10% - 90%non-condensing(non-working environment)
Input voltage	100 - 240V AC
Input frequency	47 - 63Hz
Power supply module	1+1 550W Dual redundant, hot swappable
Cooling module	Dual redundant, hot swappable
Certification Compliance	CB, BSMI, RoHS, CCC,
Model	AFM-IDCIPSAN – A (Extension Unit/ JBOD)
HDD quantity per JBOD	16 pcs
JBOD quantity per main unit	7 pcs
Dimensions	3U EIA 19" rack mount
Expansion interface	2 x SAS 3.0
Dimensions	132mm (H) x 484mm (W) x 564mm (D) 3U EIA 19" rack mount 18kg ± 5% (not including HDD)