

# SAB-Hybrid

## Software Features

- Thin Provisioning
- Auto-Tiering
- Second Level Cache
- Snapshot
- VMware advanced Integration
- NFS V3/V4 Support
- CIFS
- ISCSI
- LDAP
- Kerberos Authentication
- LUN Migration
- LUN Copy
- Remote Replication

## Operating System Support

- Linux(Red hat, CentOS, Debian, Ubuntu, Suse)
- Unix(FreeBSD, OpenBSD, SCO Unix, Solaris, HP-UX, IBM AIX)
- Windows(2K3,2K9,2K12,2K16,2K19)

## SAN Switch Integration

- Cisco
- Brocade
- HPE
- EMC

## Virtualization Support



## Desktop Virtualization Support



## Cloud Infrastructure Support



## Business Applications Support



## Device Models and Specifications

Specifications	SAB-HB-150	SAB-HB-250	SAB-HB-500
Max No. of Drives	150	250	500
CPU	2x Intel Xeon 2600 V4	2x Intel Xeon 2600 V4	2x Intel Xeon 2600 V4
Memory	32G	64G	128G
Connection Protocols	FC(Block)/NFS/CIFS	FC(Block)/NFS/CIFS	FC(Block)/NFS/CIFS
Max cache Size	2 TB	4 TB	8 TB
Max RAW Capacity	2.3 PB	3.8 PB	7.6 PB
Disk support	SSD/SAS/NL-SAS	SSD/SAS/NL-SAS	SSD/SAS/NL-SAS
Redundancy	Dual controller, Dual paths, Redundant components	Dual controller, Dual paths, Redundant components	Dual controller, Dual paths, Redundant components
RAID options	0/1/10/5/50/6/60	0/1/10/5/50/6/60	0/1/10/5/50/6/60
FC ports	8G/16G	8G/16G	8G/16G
iSCSI support	1G/10G	1G/10G	1G/10G
Max number of FC/iSCSI ports	16	24	24
Max LUN size	256TB	256TB	256TB
Max Number of Pools	30	50	100
MAX Number of LUNs	1000	2000	3000
Max File systems Per Array	500	1000	1500
Max Attached Snapshots	1000	1500	2500

## Drive Support Matrix

SAS Drives					
Drive Capacity	600G	900G	1.2TB	1.8TB	2.4TB
RPM	10K,15K	10K,15K	10K	10K	10K
Interface	12G	12G	12G	12G	12G
Physical Dimension	2.5", 3.5"	2.5", 3.5"	2.5", 3.5"	2.5", 3.5"	2.5", 3.5"
NL-SAS Drives					
Drive Capacity	2TB	4TB	6TB	8TB	12TB
RPM	7.2K	7.2K	7.2K	7.2K	7.2K
Interface	12G	12G	12G	12G	12G
Physical Dimension	3.5"	3.5"	3.5"	3.5"	3.5"
SSD for Data Drives					
Drive Capacity	960GB	1.9TB	3.8TB	7.6TB	15.3TB
Interface	12G	12G	12G	12G	12G
Physical Dimension	2.5", 3.5"	2.5", 3.5"	2.5", 3.5"	2.5", 3.5"	2.5", 3.5"
SSD For Cache Drives					
Drive Capacity	1TB	2TB			
Interface	12G	12G			
Physical Dimension	2.5", 3.5"	2.5", 3.5"			

## Drive Enclosures

	24x 2.5"	16x 3.5"	36x 3.5"	60x 3.5"
Number of Supported Drives	24	16	36	60
Drive Dimension Support	2.5"	3.5"	3.5"	3.5"
Form Factor	2U	3U	4U	4U
Connection	2x Mini-SAS Cables	2x Mini-SAS Cables	2x Mini-SAS Cables	2x Mini-SAS Cables
Controller Interface	12G	12G	12G	12G
Power Supplies	Redundant	Redundant	Redundant	Redundant
Drive Type Support	SSD, SAS,NL-SAS	SSD, SAS,NL-SAS	SSD, SAS,NL-SAS	SSD, SAS,NL-SAS

## IO Ports Specifications

Port Type	Connection Protocol	Port Specifications
FC	FC	2x 8G , SFP+ , LC-LC, Multimode
FC	FC	4x 8G , SFP+ , LC-LC, Multimode
FC	FC	2x 16G , SFP+ , LC-LC, Multimode
FC	FC	4x 16G , SFP+ , LC-LC, Multimode
FC	FC	2x 32G, SFP+, LC-LC, Multimode
Ethernet	TCP/IP	4x 1G , RJ45
Ethernet	TCP/IP	2x 10G, RJ45
Ethernet	TCP/IP	2x 1G, SFP, LC-LC Single Mode
Ethernet	TCP/IP	2x 10G, SFP+ , LC-LC, Multimode
Ethernet	TCP/IP	2x 10G SFP+ , LC-LC Single Mode
Ethernet	TCP/IP	4x 10G , SFP+ , LC-LC, Multimode
Ethernet	TCP/IP	2x 40G , SFP+ , LC-LC Multimode