

## SNAZ

### Powerful, Scalable NAS Filers

NAS (Network Attached Storage) has become a preferred method of providing network wide data access for many organisations because of its simplicity and scalability. Plasmon's SNAZ product family of enhanced NAS filers offers a superior platform designed to operate as a standalone server with the optional ability to integrate and extend SAN resources.

### SNAZ Pro

The SNAZ Pro range delivers exceptional performance for today's high-speed networks with the resilience of fault tolerant RAID architecture. SNAZ Pro has been optimised for diverse departmental, branch office, and SME environments requiring simple, reliable and powerful network storage. For even greater performance and flexibility, SNAZ Pro filers come with a second Gigabit Ethernet channel with load balancing and auto-failover.



### SNAZ Elite

For organisations that want to maximise the benefits of both NAS and SAN (Storage Area Network) infrastructures, SNAZ Elite enables SAN based storage arrays to be shared as a standard NAS device. A single SNAZ Elite router can be used with up to 30TB of high-performance SAN disk capacity.

### SNAZ OS

Using SNAZ OS, Plasmon's NAS Operating System, SNAZ filers support simultaneous heterogeneous access from Windows (CIFS), and Unix (NFS) clients. The SNAZ OS web based interface makes installation and administration of SNAZ products as simple as "point & click". SNAZ OS features include: Logical Volume Manager, Snapshot, LAN Adapter Fault Tolerance, NDMP, NAS Replication, Tape Autoloader Support, Error Management and Recovery, WORM functionality, ACL and Quota Management. (Refer to the SNAZ OS Datasheet for full details).

## Key Features

- Capacity options from 320GB to 3.2TB
- RAID 0,1,10,5 + Hot Swap + Hot Spare
- High Performance with Gigabit Ethernet
- Simple file sharing for Windows & Unix clients
- No OS or Client User Licences required
- 19" Rack mount chassis
- Web Browser interface
- User, Share & File-level Security
- Advanced features include snapshot & replication

## SNAZ at-a-glance

Features	PRO		ELITE
	SNAZ S4	SNAZ S8	SNAZ E0
Gigabit Ethernet Port	2 x Copper	2 x Copper	2 x Copper
Internal Disk Type	SATA	SATA	N/A
Qty Disks/system	4	8	N/A
System Capacities	320	640	N/A
	640	1280	
	1000	2000	
	1600	3200	
Cache	Up to 1 GB	Up to 1 GB	Up to 1GB
Dual Hot Swap PSUs	N/A	Standard	Standard
FC 2Gb Port	N/A	Copper*/Optic*	Copper*/Optic*
JBOD Expansion	SCSI	SCSI/FC*	SCSI/FC*
RAID Expansion	SCSI	SCSI/FC*	SCSI/FC*

\*Optional

# SNAZ™ Specifications

## Features

		PRO		ELITE
		S4	S8	E0
<b>GENERAL</b>				
Host Interface	1 x Gigabit Ethernet (10/100/1000)	•	•	•
	1 x 10/100 Ethernet	•	•	•
Port Teaming	Load Balancing on Reads and Auto Failure	•	•	•
Peripheral Support	HD, Tape, Autoloader*	•	•	•
SCSI Interface	Ultra 160 SCSI for Backup Device or Disk Expansion	•	•	•
SAN Interface	2Gb Fibre Channel Interface	N/A	Option	Option
Flash Memory	32MB	•	•	•
Cache Memory	256MB to 1GB	•	•	•
UPS Support	APC UPS Serial Interface	•	•	•
CPU	Intel Xeon, 2.4MHz	•	•	•
<b>SOFTWARE &amp; PROTOCOLS</b>				
Operating System	SNAZ OS	•	•	•
Network Link	10/100/1000 Ethernet with Auto Speed Select	•	•	•
Network Protocols	TCP/IP, UDP, DHCP, DNS, WINS, NTP	•	•	•
SMB/CIFS	Yes	•	•	•
NFS	Version 2 and 3 compliant	•	•	•
ACLs and Quotas	Yes	•	•	•
Active Directory	Yes	•	•	•
Backup Software	Yes	•	•	•
NDMP	Bakbone NetVault	•	•	•
Web Download & Upgrade	Yes	•	•	•
<b>RAID &amp; DATA PROTECTION</b>				
RAID Levels	0, 1, 10, 5	•	•	•
# RAID Sets	Up to 15	•	•	•
Internal Disks	Maximum	4	8	0
Internal Disk Type	Yes	SATA	SATA	N/A
SCSI Expansion	Additional Expansion using SCSI JBOD/RAID	•	•	•
FC Expansion	Additional Expansion using FC JBOD/RAID	N/A	Option	Option
Hot Swap Disks	Yes	•	•	•
Hot Spare Disks	Yes	•	•	•
Automatic Rebuild	Yes	•	•	•
Large File Support	Yes	•	•	•
External expansion enclosures	Up to 12 LVD SCSI or SATA Disks	N/A	Option	Option
	Up to 120 FC SAN	N/A	Option	Option
LVM	Logical Volume Management	•	•	•
Snapshot	Yes	•	•	•
Replication	Yes	•	•	•
<b>AGENCY</b>				
Emissions & Safety Quality	FCC, UI, UL Canada, CE Conformity	•	•	•
	ISO 9001	•	•	•
<b>SUPPORTED DISK DRIVES*</b>				
Disk Interface	SATA up to 7,200rpm	•	•	N/A
Disk capacity	80/160/250/400**	•	•	N/A
<b>OS SUPPORT***</b>				
Client OS Supported	Windows 98/ME/NT/2000/2003/XP, Unix, Linux	•	•	•
<b>ADMINISTRATION</b>				
Administration	Web Browser	•	•	•
NAS Discovery	FindSNAZ	•	•	•
Alerts	SNMP, SMTP	•	•	•
LED Notification	Yes	•	•	•
<b>ENCLOSURE</b>				
Rackmount	19 inch Rack	1U	2U	2U
Backplane	Passive	•	•	N/A
Single PSU	Load Balancing	•	N/A	N/A
Slide Rails	Included	•	•	•
<b>HOT SWAPABLE REDUNDANT FEATURES</b>				
Disk Drive Shuttles	Hot Swap	•	•	N/A
Dual Power Supplies	Hot Swap	N/A	•	•
Dual Power Entry		N/A	•	•
<b>ELECTRICAL &amp; ENVIRONMENTAL</b>				
Power Supply Wattage		300W	300W	100W
Universal A/C Input	90-264 V 47-63Hz, PFC	•	•	•
Operating Environment	5°C to 40°C (41°F to 104°F)	•	•	•
	10% - 80% Relative Humidity, Non-Condensing	•	•	•
Non-Operating environment	-20°C to 6°C, (-4°F to 140°F)	•	•	•
<b>PHYSICAL DIMENSIONS</b>				
Height	cm	4.4, 1U	8.8, 2U	8.8, 2U
Width	cm	44	44	44
Depth	cm	70	70	29
Weight	Kg	12.5	16	4.7

• This symbol indicates that the feature is supported as standard.

\* Refer to approved vendor list on website.

\*\* Disk drive technology is constantly evolving. Contact Plasmon for current list of approved drives.

\*\*\* For details of maximum system limits (# users, shares etc.), see [www.raidtec.com/whitepapers/index.html](http://www.raidtec.com/whitepapers/index.html)

ISO 9001:2000 Certified

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