




to the storage

iSCSI network storage

1U 4TB-8TB storage with low eco-overheads
for small-medium departmental and archive use

The AR4-1000

 eco-aware storage
up to 70% less power

Don't let the small 1U footprint fool you, the AR4-1000 delivers the power, features and resilience associated with larger storage solutions, but without the complexity, eco-overheads and cost.

With today's technology many smaller and medium sized business can adequately fulfill their storage requirements with minimal drives, reducing costs, power use and space.

Unfortunately smaller footprint 1U solutions tend to be aimed at the aggressively priced entry level market, where the low use and lesser need for resilience allows for reduced costs. The AR4-1000 does not compromise on its qualities or data availability to achieve its footprint, it simply leverages and effectively packages modern technology.

Addressing the 1TB to 4TB environment the AR4-1000 out performs and out features many of the larger power hungry and space demanding storage solutions on the market today.

The design focus called for a modern eco-aware construction where advanced cooling and highly efficient dual power supplies address the need for redundancy whilst paying attention to power consumption and heat dissipation, delivering an eco-footprint as low as 10% of previous 4TB systems.

Dual 1Gb iSCSI connectivity

Plug and Play install

Up to 8TB of SATA capacity



adaptive power management

70%
reduced power

lower energy costs and increased reliability



	Primary	Backup	Archive	InfiniBand
Capacity per				
• Native (main)	1.8TB – 24TB	4TB-48TB	4TB-48TB	1.8TB – 24TB
• Expansion	Up to 100TB	200TB	500TB	200TB
Drives				
• Drive bays	24	4 / 24	4 / 24	24
• 15K RPM SAS	450GB	-	-	450GB
• 7K2 RPM SAS	1TB	-	-	1TB
• 7K2 RPM SATA	-	1TB / 2TB	1TB / 2TB	-
Connectivity				
• Default	2 x 10Gb iSCSI 2 x 1Gb iSCSI	2 x 1Gb iSCSI	2 x 1Gb iSCSI	2 x 40Gb IB 2 x 1Gb iSCSI
• Optional 10Gb	Yes – up to 2	Yes – up to 2	Yes – up to 2	Yes – up to 2
• Optional 8Gb Fibre	Yes – up to 2	Yes – up to 2	-	Yes – up to 2
• Optional InfiniBand	-	-	-	Yes – up to 2
• Max ports	6	4	4	8
Drive channels	8 x 3Gb SAS	4 x 3Gb SAS	4 x 3Gb SAS	8 x 3Gb SAS
Dual Controller	Yes	-	-	Yes
Dual SAS loop	Yes	-	-	Yes
Adaptive read	4GB	1U - 2GB	2GB	8GB
Write cache		4U - 4GB		
Presentation				
• iSCSI LUN	Up to 246	Up to 256	Up to 256	Up to 256
• Fibre LUN	Up to 127	Up to 127	-	Up to 127
• InfiniBand SRP	-	-	-	Up to 256
• CIFS / NFS	-	Yes	Yes	-
• VTL	-	6 drives, 500 slots	-	-
Virtualisation				
• Storage Pools	Up to 8	1	1	Up to 16
• Multiple RAID	Yes	Yes	Yes	Yes
Features				
• Replication	Async / Sync	Backup deferred	-	Async / Sync
• Compression (software)	-	Yes Default	-	-
• Compression (hardware)	-	Optional	-	-
• Encryption	-	Optional	-	-
• Clone 2 Tape	-	Optional	-	-
• Spin down drives	Yes	Yes	Yes	Yes