



FIBRE iSCSI NAS SAN SAS CIFS SATA NFS

Why use spin-down drive technology?

up to 70% reduction in energy costs with increased reliability...

...why not use it?

Adaptive Power Management



eco-aware storage...
...up to 70% less power

"When the storage system is not actively being used for long periods of time, why waste power and consume large amounts of energy for no reason? During such periods our Adaptive Power Management simply places the drives in a low-power standby state and transparently brings them back to life when needed."

Reducing drive power consumption by 10:1

Increasing reliability of SATA drive solutions

Transparent to hosts

Completely self managing



picture shows 4U version

To many of us power and energy are a juggling act between what we need and what we have. Whenever we introduce additional IT equipment we have to find more power and peripheral energies such as cooling. Rarely do we have options to significantly reduce energy and lower the cost to our businesses and our environment.

For some time the Enterprise environments have used drive spin-down technology, a solution where the drives are placed in a low power consuming standby mode when they have been inactive for a period of time. If we consider secondary storage such as D2D and VTL, the drives may only be active for a few hours a day during the backup stage.

So why have them fully powered and spinning for the 20 or so hours they are not is use? Why waste power and consume large amounts of energy for no reason?

As part of our commitment to bring Enterprise level storage to the average small and medium company we have implemented Adaptive Power Management within our SATA solutions. A simple one-click, one-off configuration will implement a policy to spin-down the drives after a period of inactivity or between preset times. The drives will automatically spin-up on activity so there is no need to implement any further policies or change your practices.

By effectively controlling the uptime of SATA drives we also increases the reliability ensuring a longer lifecycle. Couple this with our high availability features such as RAID6 and link failover, and we have rock solid solution comparable to those normally found in the Enterprise space but without the Enterprise price tag.