

DP-504-GIA3

Desktop 5 bays Tower
iSCSI-SATA II RAID Subsystem



Unparalleled Performance

- ※ Front-end 2 x 1Gb full iSCSI offload.
- ※ High data bandwidth of system architecture by powerful 64-bit RISC RAID processor.

Unsurpassed Data Availability

- ※ RAID 6 capability provides the highest level of data protection..

Exceptional Manageability

Menu-driven front panel Display

- ※ Management GUI via serial console, SSH telnet and Web.
- ※ Event notification via Email and SNMP trap.
- ※ Menu-driven LCD front panel display to monitor environmental devices.

Features

- ▶ Front-end 2 x 1Gb full iSCSI offload.
- ▶ Supports iSCSI jumbo frame.
- ▶ Supports RAID levels 0, 1, 0+1, 3, 5, 6, 10 and JBOD.
- ▶ Global hot spare disks.
- ▶ Write-through or write-back cache policy for different application usage.
- ▶ Supports greater than 2TB per volume set
- ▶ RAID level migration.
- ▶ Online volume expansion.
- ▶ Configurable RAID stripe size.
- ▶ Instant RAID volume availability and background initialization.
- ▶ Volume rebuilding priority adjustment.
- ▶ Auto volume rebuilding.
- ▶ Array roaming.
- ▶ Support S.M.A.R.T, NCQ and OOB Staggered Spin-up capable drives.
- ▶ Support MPIO (Microsoft)



Proware Technology Corp.

Tel: 886-2-2914-8001(Rep.) Fax: 886-2-2914-7975
http://www.proware.com.tw E-mail: info@proware.com.tw



Series Technical Specifications



Model : DP-504-G1A3

Form Factor : Small Desktop Tower	Supports over 2TB per volume Online consistency check
RAID processor : Intel XScale IOP331 500MHz	Bad block auto-remapping S.M.A.R.T. support
RAID Level : 0, 1, 0+1, 3, 5, 6, 10 and JBOD	New disk insertion / removal detection Auto volume rebuild
Cache memory : 512MB ~ 1GB DDR333 DIMM supported	Array roaming Audible alarm
No. of channels (host+drive) : 2 + 5	Password protection
Host bus interface : 1Gb/s Ethernet	UPS connection
Drive bus interface : 3Gb/s SATA II	Power supplies : 270W power supplies w/PFC
Hot-swap drive trays : Five (5) 1-inch trays	Cooling fans : 1
Host access control : Read-Write & Read-Only	Power requirements : AC 90V ~ 264V full range 7A ~ 4A, 50Hz ~ 60Hz
Supports CHAP authentication	Environmental
Jumbo frame support	Relative Humidity : 10% ~ 85% Non-condensing
Maximum logical volume : up to 255	Operating Temp : 10°C ~ 40°C (50°F ~ 104°F)
Maximum host connection : up to 32	Physical Dimensions : 265(H) x 200(W) x 350(D)mm
Maximum host clustering : up to 8 for one logical volume	
Global hot spare disks	
Online Volume migration	
Online Volume sets expansion	
Configurable stripe size	
Instant RAID volume availability and background initialization support	

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Advantages of iSCSI

- ▶ Familiar network technology and management
 - Reduces training and staff costs.
- ▶ Proven transport infrastructure
 - Increases reliability.
- ▶ Transition from 1Gigabit Ethernet to 10 Gigabit Ethernet and Beyond
 - Protects investment with simplified performance upgrades Scalability over long distances.
 - Enables remote data replication and disaster recovery.
- ▶ Brings Ethernet economics to storage
 - Enables lower total cost of ownership(TCO).
- ▶ Consolidation : iSCSI delivers seamless expandability, automatic load balancing, automatic storage provision, disaster recovery etc..
- ▶ Virtualization :
 - Scalable, highly available pool of storage.
 - Storage allocation and resizing on-demand.
 - Centralized management with remote access.
 - Security that protects logical volumes from unauthorized access.
 - Snapshot and replication.
 - Volume mirroring.
 - Multi-Path host access