

ACARD RAMDisk1 + 2

ANS-9010

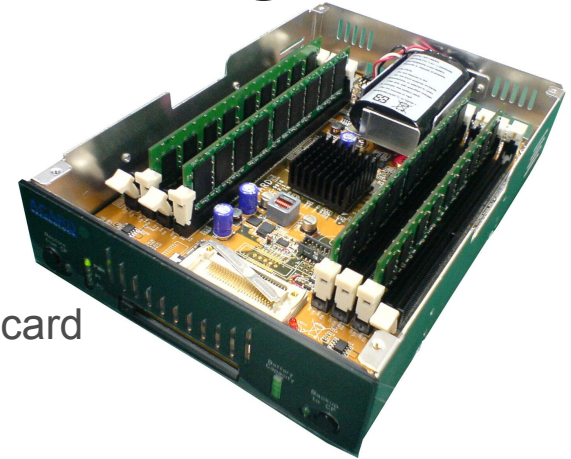
Dual-SATA 5.25" 8-DIMM RAMDisk2

- **Features**

- Supports up to **64GB** amount of memory
- Supports ECC/Non-ECC DDRII 400/533/667/800
- Automatic data backup/restore between DDRII memory and CF card
- Built-in Lithium Battery(Stand by 2Hr , backup 1Hr)
- LED indicators for battery capacity, power status, SATA ports activity, backup status
- Driverless: need no driver on host side

- **Specifications**

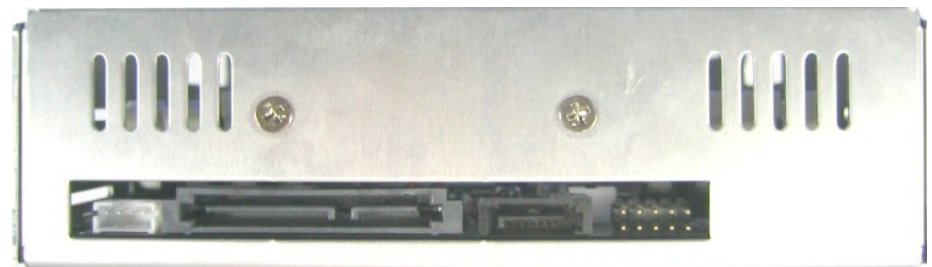
- **Two** SATA 3.0Gbps Interface ports
- 240-pin DDRII DIMM module slots x **8**
- One CF socket in front panel
- Lithium Battery of 7.4V 2400mAh, enough to finish the backup
- Data transfer rate up to **400MB/sec**
- IOPS 20,000 per SATA port
- External Power Solution (Option)



ANS-9010 / RAMDisk2

- **Rear Side From left to right**

- 4-pin UART port (only for enclosure usage)
- 15-pin SATA power connector
- 7-pin SATA port 0
- 7-pin SATA port 1
- Jumper Option
 - Force SATA at 1.5Gbps (default is 3Gbps)
 - Disable Block ECC (default is No Block ECC)
 - Dual Mode (default is Single Mode)



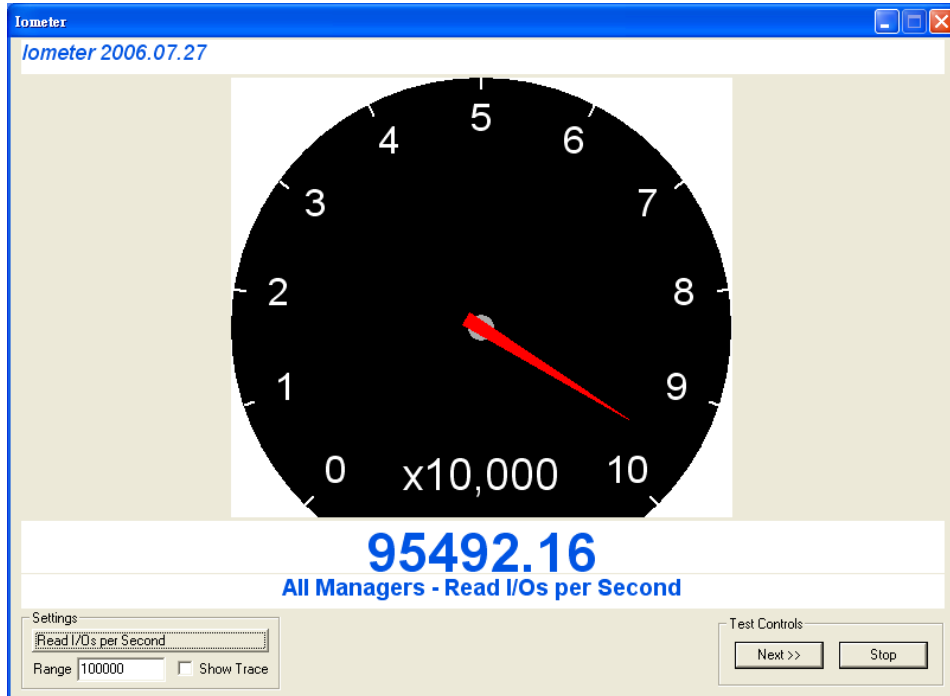
- **Rear Inner Side**

- 3-pin 7.4V 2400mAh Li-ion Battery Connector

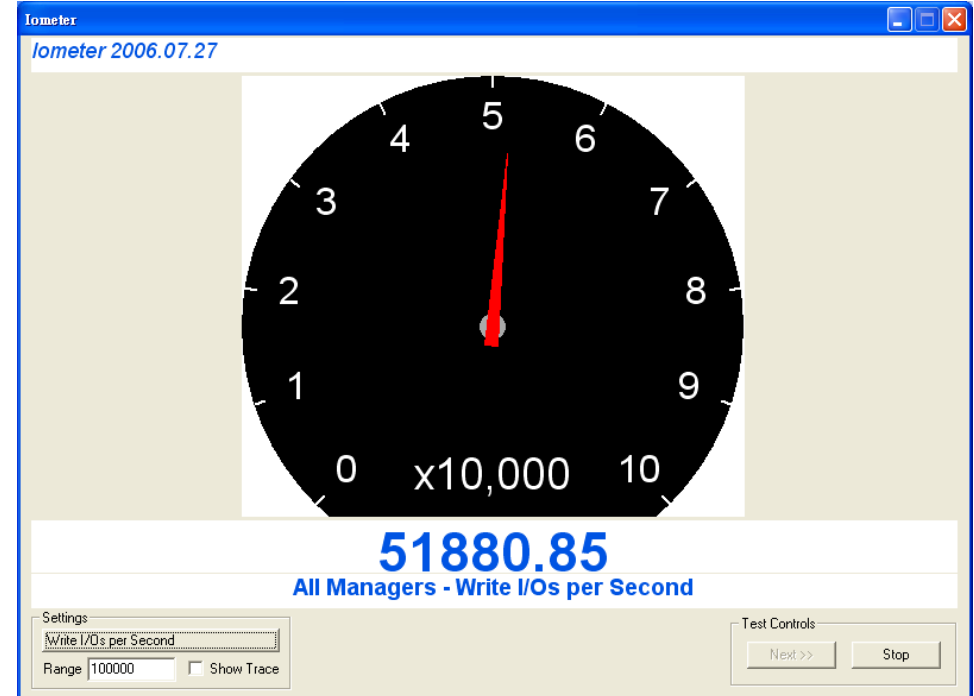
Location	Mode
	Open: Single mode (default) (ANS-9010 only) Short: Dual mode
	Open: Enable ECC emulation function(default) Short: Disable ECC emulation function
	Open: SATA 3.0Gbps(default) Short: SATA 1.5Gbps

ANS-9010 Sequential / Random IOPS Performance

Read IOPS 95,492.16



Write IOPS 51,880.85



Test OS:

Windows Vista 32Bit & SP1

1.Setup MB SATA function to RAID 0 (stripping) mode.

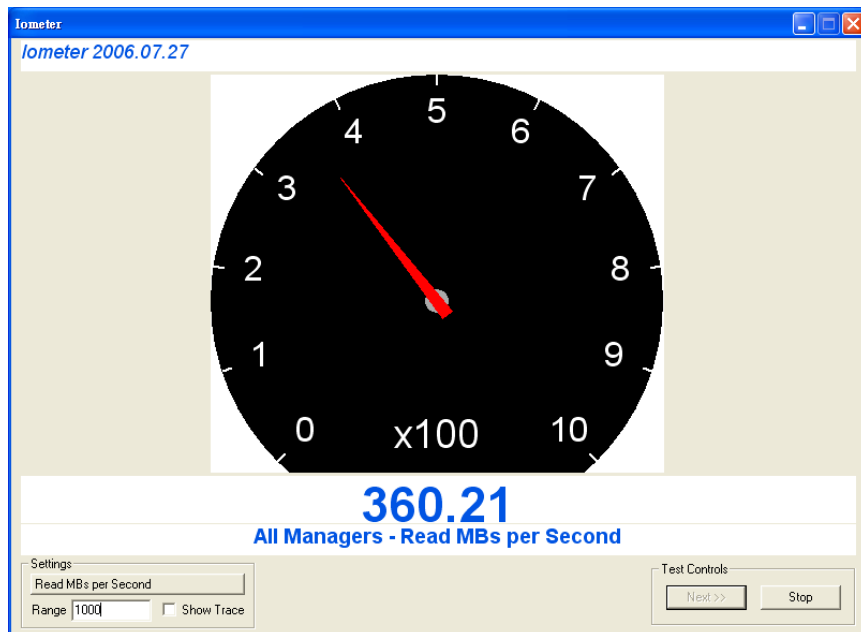
Test memory:

NO	Manufacture	Size	Model	Speed
1	ADATA	2GB	AD2800002GOU(ADQVE1B16)	DDR2-800

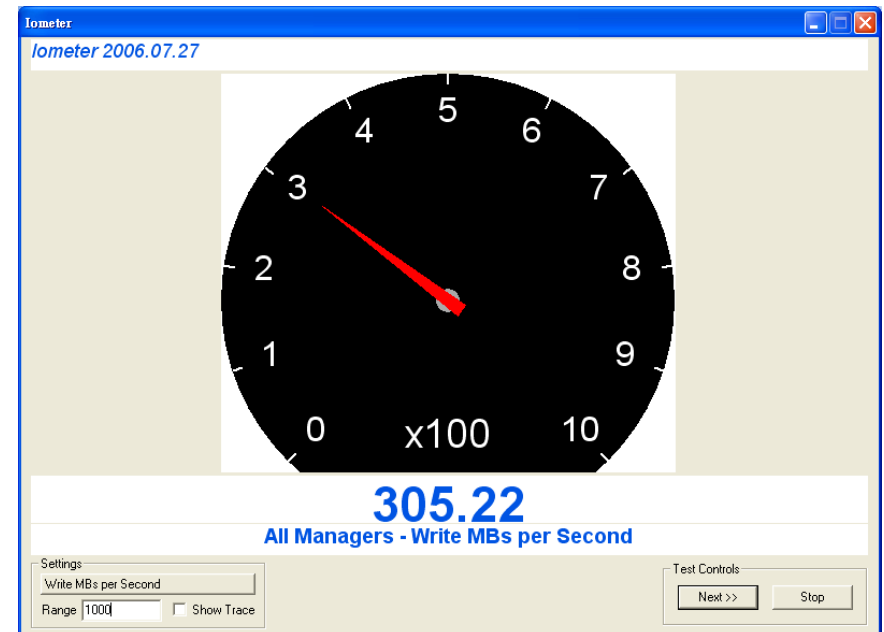
MANUFACTURE	GIGABYTE
M/B	GA-G1975X
BIOS	AWARD
BIOS Version	F6
NB	975X
SB	ICH7R
PCI Bus	32*33
SATA Chip	ICH7R
PATA Speed	100/133
SATA Speed	3GB
CPU	Intel P4 520 2800
Frequency	2.8G
RAM	1G

ANS-9010 Sequential / Random Performance

Read 360.21 MB/s



Write 305.22 MB/s



Test OS:

Windows Vista 32Bit & SP1

1. Setup MB SATA function to RAID 0 (stripping) mode.

Test memory:

NO	Manufacture	Size	Model	Speed
1	ADATA	2GB	AD2800002GOU(ADQVE1B16)	DDR2-800

MANUFACTURE	GIGABYTE
M/B	GA-G1975X
BIOS	AWARD
BIOS Version	F6
NB	975X
SB	ICH7R
PCI Bus	32*33
SATA Chip	ICH7R
PATA Speed	100/133
SATA Speed	3GB
CPU	Intel P4 520 2800
Frequency	2.8G
RAM	1G

ANS-9010B

SATA 5.25" 6-DIMM RAMDisk1

- **Features**

- Supports up to **48GB** amount of memory
- Supports ECC/Non-ECC DDRII 400/533/667/800
- Automatic data backup/restore between DDRII memory and CF card
- Built-in Lithium Battery(Stand by 2Hr , backup 1Hr)
- LED indicators for battery capacity, power status, SATA ports activity, backup status
- Driverless: need no driver on host side

- **Specifications**

- **One** SATA 3.0Gbps Interface port
- 240-pin DDRII DIMM module slots x **6**
- One CF socket in front panel
- Lithium Battery of 7.4V 2400mAh, enough to finish the backup
- Data transfer rate up to **200MB/sec**
- IOPS 20,000 per SATA port
- External Power Solution (Option)

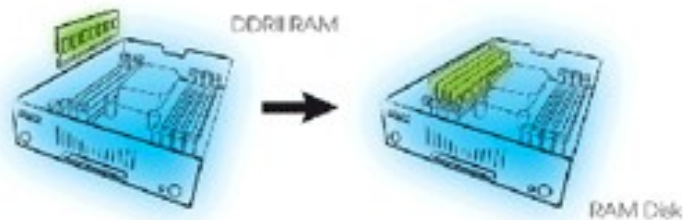


RAM Disk Target Market

- Gaming, 3D, Photoshop, Graphic Design, Database, Mac, webserver
- Users that need to open big application file

ACARD ANS-9010 / 9010B vs. Gigabyte iRAM

	ACARD's RAMDisk2 (ANS-9010)	ACARD's RAMDisk1 (ANS-9010B)	GIGABYTE's iRAM
RAM module	DDR-2 DIMMs	DDR-2 DIMMs	DDR-1 DIMMs
DIMM slot	8	6	4
Backup	Auto-Backup to CF Flash Card	Auto-Backup to CF Flash Card	None
Interface	SATA 3Gbps *2	SATA 3Gbps *1	SATA 1.5Gbps *1
RAM type	Supports Both Unbuffered Non-ECC and Unbuffered ECC	Supports Both Unbuffered Non-ECC and Unbuffered ECC	Unbuffered Non-ECC Only
ECC support	Supports Block ECC	Supports Block ECC	None
Bit Error scan	YES	YES	None
Recovery	YES	YES	None



VS.



RAMDisk Roadmap

