

ALLONE

All Storage Solution Experts



MARK I RAMDISK

**Allows Greater Productivity at a Lower Cost and
Enables Cloud Compromise ECC DIMM**

PRODUCT OVERVIEW

MARK 1 RAMDISK is a DRAM based RAMDisk with capacity of 16GB, targeting small blocks random access intensive transaction markets, delivering 500,000 IOPS with sub-microsecond latency at 512 byte. The MARK 1 RAMDISK is built with ALLONE'S exclusive controller, and meets user demands to realize complete storage solutions with performance, endurance and a green society. This drive can satisfy multiple roles and choices due to an ability to be connected as a device. It's also designed for customer-programmability to fulfill all types of different scenarios.

MAIN FEATURES

- Support up to 16GB ECC SODIMM
- Auto backup and restore for customization design
- High Performance : 500,000 IOPS at 512 byte (Random Read)
- Backup & Restore : Support up to 24GB Micro SD cards with RAID 5 instant recovery protection
- Low Latency : 16.5 μ s
- Low Power Consumption : Active 5.3W / Idle 4.7W
- Low Noise : Fanless solution
- Low Thermal Emitting : Surface temperature of controller 40°C to 45°C at full loading

Specification

Model	
Main Capacity	16GB
Storage Type	ECC SODIMM
DRAM Certificate	ALLONE Certified
Backup Capacity	24GB Micro SD Cards
Micro SD Cards Data Retention	RAID 5
Power Capacity	3000mA
Form Factor	Full Height/Half Length
Bus Interface	PCI-Express x4
Weight (Including battery)	243g
Dimensions without bracket	4.376 x 6.6 inches
Performance	
Read Bandwidth (MB/s)	680
Write Bandwidth (MB/s)	610
Ran. Read IOPS (512B)	500,000
Ran. Write IOPS (512B)	280,000
Read Access Latency	16.5 μ s
Write Access Latency	16.5 μ s
Endurance	Unlimited
Environmental Specifications	
Power Consumption (Active/Idle)	5.3W/4.7W
Operating Temperature	0°C-70°C
Operating Systems	
Microsoft Windows	Win Server 2003, 2008, 2008 R2, 2012, 2012 R2/Win 7, 8, 8.1
Linux	Ubuntu, CentOS, RHEL, SUSE
UNIX	Solaris 10U10/11.1
Hypervisors	VMware 4.x/5.x
Agency Certification	
US/CANADA	FCC Part 15 Subpart B
Europe	EN 55022: 2010, Class B EN 55024: 2010 EN 61000-3-2: 2006 + A1: 2009 + A2: 2009 EN 61000-3-3: 2013

All product specifications and information are subject to change without notice.

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