

## ALLONE SOLUTION INTRODUCES THE MARK 1 RAMDISK TO EXTEND THE VALUE OF HIGH WRITE CRITICAL APPLICATIONS

ALLONE, an innovator in IC design and storage solutions, announces a new design accelerator that speeds up small blocks of high write intensive workload. The MARK 1 RAMDISK family combines the features of DRAM based storage solutions with up to 16GB ECC SODIMM. It enables the feature of CPU enhancement, system responsiveness, I/O throughput and safeguard network traffic for both commercial and high-end market applications.

Facing the increasing complexity and increasing volumes of instant transactions created by extensive data and Internet of Things (IoT) applications. Utilizing ALLONE'S controller to eliminate the I/O bottleneck and enhance the reliability of a system high writes workload. To deliver 500K IOPS for small random access transactions at 512B. The MARK 1 RAMDISK should be the design of choice, affordable for the high random access industry, improving reliability, longevity and producing a greater overall performance.

### MAIN FEATURES

- Support 16GB ECC SODIMM
- Auto backup to restore customization design
- High IOPS: 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  $\mu$ 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

### About ALLONE

Allone Solution Company was established in Taiwan in 2010 initially focusing on IC design and storage system products. The principal aim was to develop and grow markets worldwide. For more information, please visit [www.all1.com.tw](http://www.all1.com.tw)

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