

# IntelliMemory®

## RAM Caching Software for Faster PC Performance

### Overview

IntelliMemory by ConduSiv® Technologies is a dynamic read/write caching software solution designed for PC OEMs looking to boost the performance of their Windows® PC product lines. IntelliMemory leverages unallocated system memory for faster access to frequently accessed files. Since modern RAM is 20X faster than SSDs and 1,000X faster than HDDs, users experience much faster response time to frequently accessed files and applications.

IntelliMemory is a block-level intelligent cache that throttles according to the need of the application. While IntelliMemory leverages otherwise idle memory to cache most commonly accessed data, should an application ever require more memory, IntelliMemory releases that memory back to ensure there is never an issue of resource contention.

As a result, Microsoft Office Suite performs up to 50% faster on HDD systems and 10-15% faster on pure SSD systems. Adding IntelliMemory to any HDD-based PC will outperform an SSHD-based system at a fraction of the cost.

By servicing requests for the most commonly accessed data from memory, IntelliMemory decreases I/O traffic to the underlying HDD and/or SSD, freeing up bandwidth and prolonging their useful life. IntelliMemory operates automatically and transparently without manual intervention.

IntelliMemory is compatible with all Windows 7/8 systems utilizing HDD, SSD and SSHD drives.

IntelliMemory is available for license to OEMs and PC manufacturers for broad-scale deployment.



### Product Highlights

- Increase system responsiveness by utilizing idle memory
- Service active data from the fastest storage medium possible
- Decrease I/O traffic to underlying HDDs and/or SSDs
- Software runs automatically and transparently

## A Toolkit of Proactive and Highly Efficient Technologies

**IntelliMemory® I/O optimization technology** intelligently caches active data to system memory, providing enhanced operational performance of frequently used applications and data files.

**InvisiTasking® intelligent monitoring technology** allows all Conduktiv applications to operate in the background so as not to interfere with system activities.

**HyperBoot® technology** speeds boot performance on HDD systems by placing the boot blocks sequentially on the circumference of the drive platter and keeps them from fragmenting.

**Titan Defrag Engine™** defrags large disk volumes automatically to keep hard disk drive performance at peak operations at all times.

## About Conduktiv

Conduktiv Technologies creates high-performance software that optimizes and maintains application operation efficiency and equipment longevity to increase productivity in technology, people and businesses. Conduktiv customers include enterprises, government agencies, ISVs, OEMs and home users worldwide. A market leader in data storage innovation, the company's solutions help technology function at peak levels.

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## Key Benefits:

- Speeds overall system and application performance
- Frequently used applications launch faster
- Frequently accessed data is more responsive
- Reduces boot times
- Up to 50% faster operation of the Microsoft Office Suites on HDD systems and 10-15% faster on pure SSD systems
- Adding IntelliMemory to an HDD-based system will outperform an SSHD-based system at a fraction of the cost

## Key Features

- Dynamic RAM caching technology that throttles according to the need of the application
- Operates automatically and transparently in the background
- Compatible with all Windows 7/8 systems

## More Information

[www.conduktiv.com](http://www.conduktiv.com)

**To contact a product specialist:**

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