Condusiv ®
Technologies

IntelliMemory®

RAM Caching Software for Faster PC Performance

Overview

IntelliMemory by Condusiv® Technologies is a dynamic read/write caching software solution designed for PC manufacturers 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.
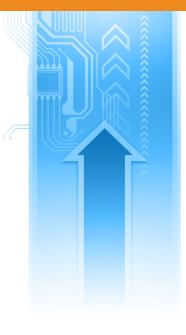
As a result, Microsoft Office Suite performs up to 50% faster on HDD systems and 10-15% faster on pure SSD systems. Adding IntelliMemory to any HDD-based PC will outperform an SSHD-based system at a fraction of the cost.

IntelliMemory not only caches reads, but also caches writes to DRAM with Write-Safe Caching™ (WSC) from Condusiv Technologies. This is restricted to small writes, which entail 80% of all writes on the typical system. By buffering writes with available DRAM, the system performs much faster since it no longer slows down to the speed of the hard drive's ability to keep up with system writes. WSC is enabled by the system once it senses the presence of a second power source to ensure data integrity in case of a power outage.

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

PRODUCT SHEET

Condusiv Technologies

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 Condusiv 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 Condusiv

Condusiv Technologies creates high-performance software that optimizes and maintains application operation efficiency and equipment longevity to increase productivity in technology, people and businesses. Condusiv 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.

Condusiv Technologies
7590 North Glenoaks Blvd.
Burbank, California 91504, USA
800-829-6468
www.condusiv.com

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.condusiv.com

To contact a product specialist:
Email oem@condusiv.com