



# StorTrends® 3500i Dual Controller High Performance SAN Flash-Based Storage for High Performance Applications, VDI and Cloud

The StorTrends 3500i is the industry's first SSD Hybrid/Full Flash Array that employs SSD Caching, SSD Tiering, and Automatically Tuned Volumes (ATV) within a single device. The 3500i can be configured as a Full Flash Array consisting of (16) SSDs, or a Hybrid Flash Array with either (2), (4) or (6) SSDs backfilled with SAS/NL-SAS drives for increased capacity and performance. By combining SSD Caching with SSD Tiering, drive lifespan is significantly increased, while cold blocks are given a live latency reduction – from +10ms to sustained <3ms. The 3500i also utilizes the ATV feature, which monitors users' data patterns to allocate the precise amount of SSD storage and performance to users' most critical data – resulting in drastically enhanced performance and unrivaled SSD efficiency.

Leveraging over 100 storage patents and nearly 30 years of technological innovation, the 3500i is engineered for both performance and reliability. Similar to other StorTrends units, the 3500i comes preinstalled with the iTX architecture. The StorTrends iTX architecture provides all-inclusive, enterprise class features, including intelligent application aware snapshots, auto data tiering, an intuitive GUI interface, a VMware vSphere Plugin for ease of management, and a proprietary WAN Optimization engine. The StorTrends 3500i is built for excellence and offered at a competitive, all-inclusive price point, making it ideal for high performance applications (high IOPS), VDI or Cloud Storage environments.

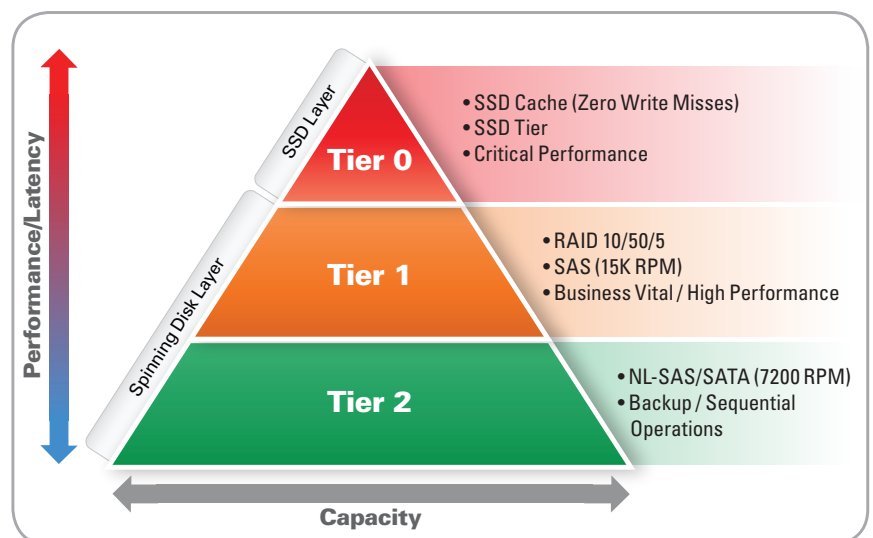
*"When used in a virtual server environment, we have found the StorTrends 3500i SSD Array delivers superior performance, reliability and efficiency, end-to-end. It has helped us achieve new levels of management flexibility with a total ownership cost that is lower than we could have imagined. This efficient solution has also helped us to reduce energy consumption costs and because it integrates seamlessly with VMware Vsphere and Hyper-V we can deliver the flexible virtual server and virtual storage management options our customers both need and want."*

Jayesh Dave, CEO  
Avision Technologies

## StorTrends Value

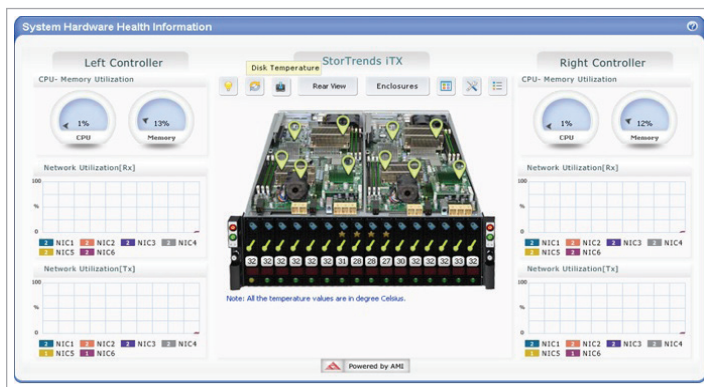
- Flash/SSD-Based Caching & Tiering
- Innovative Data Placement Algorithm
- Volume-Based Quality of Service
- Active/Active or Active/Passive Configurations
- Zero Downtime Maintenance
- Application Aware Snapshots
- WAN Optimized Replication (WDS)
- Snap-Assisted Replication
- Compression, Encryption & Data Dedupe
- Thin & Exact Provisioning
- Data Archiving & Disaster Recovery
- Network Teaming
- Live Capacity Expansion
- VMware vSphere Plugin
- Best-in-Class User Interface
- Advanced RAID-RT
- Intuitive Setup Wizards for Quick Configuration
- Real-Time Alert Monitoring
- Automatically Tuned Volumes

**How many IOPS do you need?**  
StorTrends storage arrays can be configured to fit the performance requirements of your business.



# Hardware Features

Hardware	StorTrends 3500i Dual Controller SAN			
Form Factor	3U, 16 bay			
Weight	110 lbs (50 kg)			
Dimensions	17.2" x 5.2" x 24.2" (437 x 132 x 615 mm)			
Power Supplies	Redundant and Hot Swappable			
HDD Support	SSD: 200 GB, 400 GB, 800 GB, 2 TB SAS (15,000 RPM): 300GB, 450GB, 600GB NL-SAS (7,200 RPM): 1TB, 2TB, 3TB, 4 TB, 6TB			
Processor (CPU)	Dual Intel® 2.0 GHz E5504 Series Processors			
Number of Processors	Four (4) QuadCore processors with two (2) processor per controller			
Memory	32 GB (16 GB per controller x 2)			
Network Interface Controller (NIC)	Four (4) GbE LAN Ports (2 NICs per controller) with optional 1GbE or 10GbE upgrade			
RAID Support	RAID-RT supporting RAID 5, 6, 10, 50, 60			
Drive Configuration	<b>Storage Type</b>	<b>SSD Drives</b>	<b>SAS or NL-SAS</b>	<b>Total Drives</b>
	Hybrid Array	2 Drives (Tiering)	14 Drives	16 Drives
		4 Drives (Caching & Tiering)	12 Drives	16 Drives
		6 Drives (Caching & Tiering)	10 Drives	16 Drives
All-Flash Array	16 Drives (Caching & Tiering)		16 Drives	



Simplifying Management with ManageTrends

*"StorTrends may not have the name recognition of some of the larger storage vendors, but they definitely have the technology. [They] are helping customers optimize performance across mixed workloads, increase total storage efficiency, and realize exceptional value from one of the most cost-effective storage solutions on the market."*

Jeff Boles, Senior Analyst  
Taneja Group



- 24x7 Phone Support from AMI's Atlanta Headquarters
- Onsite hardware replacement in NBD or 4-hour support
- StorAlert Monitoring for Alerts and Predictive Failures
- Hardware and Software Warranty
- Choice of 1, 3 and 5 year terms with 1 year renewal option
- Maintenance Upgrades and Updates to StorTrends Software
- Free training on the StorTrends Appliance during installation



American Megatrends Inc. | www.ami.com  
5555 Oakbrook Parkway, Bldg. 200  
Norcross GA 30093 | t: 770.246.8600

**Sales & Product Information**  
StorTrendsSales@ami.com | t: 800.828.9264

**Technical Support**  
stortrends-support@ami.com | t: 770.246.8761  
www.stortrends.com

