

STEC Corporate Backgrounder



Overview

STEC, a leading global provider of enterprise-class solid-state technologies and solutions tailored to meet the high-performance, high reliability needs of original equipment manufacturers (OEMs), pioneered the solid-state industry by setting a precedent of technological innovation, product quality and unmatched customer support. STEC quickly responds to industry trends and customer needs to deliver a full range of comprehensive solutions that optimize storage and server efficiency and performance.

STEC's competency and competitive advantage lies within its proprietary flash controller technology, product diversity and solution customization.

Headquartered in Santa Ana, California, with satellite offices around the globe, STEC leverages nearly two decades of solid-state storage knowledge and expertise to deliver the most comprehensive line of solid-state drives (SSDs). STEC's mission is to deliver the highest level of quality, reliability and innovation to enterprise storage and server applications. This specific directive inspires the advancement of solid-state technology to solve the challenges related to the explosive demand for accelerated access to data and the need to best manage this data by reducing server sprawl and controlling costs. From simple hard disk drive replacements to the most sophisticated storage arrays, to server virtualization and consolidation, STEC SSDs are exceptionally suited for the task.

Management	Title
Manouch Moshayedi	Chief Executive Officer
Mark Moshayedi	President, Chief Operating Officer, Chief Technology Officer
Raymond Cook	Chief Financial Officer
Nader Milani	Managing Director
Mike Yousef	Senior Vice President of Sales
Faheem Hyatt	Senior VP of Engineering
Luis Morales	Vice President, Corporate Business Development
Raymond Solone	Vice President, Corporate Marketing and Communications
Scott Stetzer	Vice President, Technical Marketing
Robert Saman	General Council

Key STEC Solutions & Technologies

Technology/Solution	Description
CellCare™ Technology	Improves enterprise-class endurance and performance in multi-level cell (MLC) flash media utilizing advanced signal processing, adaptive flash management algorithms and error correction codes (ECCs).
Secure Array of Flash Element™ (S.A.F.E.) Technology	A groundbreaking technology that enhances flash reliability through advanced redundancy virtually eliminating all failures associated with MLC flash media.
ZeusRAM™ SSD	Enterprise-class, wear-resistant SSD solution that delivers DRAM-like read and write speeds, with the persistent data storage of flash. ZeusRAM eliminates the need for conventional volatile DRAM by providing low-latency performance designed for heavy transaction volumes in data-intensive enterprise environments.
Kronos™ PCIe SSA	High endurance, enterprise-class solid-state accelerators (SSAs) uniquely integrates PCI Express® (PCIe) and flash technologies onto a compact, power-efficient, on-board ASIC-based solution. This new Kronos PCIe accelerator family avoids taxing the host for flash management (such as host memory and CPU cycles), freeing them to perform more critical application acceleration functions. The SSA architecture combines next generation driver software with the PCIe ASIC card to achieve unprecedented application-level acceleration that is capable of delivering consistent, fast and reliable access to data, as well as stellar performance and endurance over the lifetime of the accelerator itself.
ZeusIOPS® SSD	Enterprise-class SSD solution that enables outstanding and sustainable input/output operations per second (IOPS) to relieve bottlenecks associated with rotating media. In addition to their world-class performance, ZeusIOPS SSDs are STEC's most reliable, longest lasting solid-state drives.
MACH16™ SSD	Enterprise-class SSD solution that provides users with advanced levels of data storage reliability and performance, supporting MLC or single-level cell (SLC) SSD architectures. MACH16 SSDs outperform HDDs, delivering 240 MB/s sustainable sequential read speed and 180MB/s sustainable sequential write speed, and is backed by the added data protection of full error-correction.
MACH8™ SSD	Enables new and innovative industrial and embedded applications with enterprise-grade quality and reliability that's capable of withstanding even the harshest industrial temperatures. The MACH8 SSD maintains consistent and uninterrupted performance and reliability with embedded single board computers, to high-end military programs.
MACH Embedded SSD Family	The MACH line of Embedded SSDs are available in a wide variety of formats and interfaces including SATA (Slim SATA, CFast), PATA (Compact Flash, IDE Single Chip Drive) and USB (modules and thumb drives). All designs leverage high-performance industrial-grade SSD controllers and flash management features to deliver a unique blend of data integrity, reliability, performance, size, and low power that makes it an ideal solution for most any embedded application requiring high throughput in the smallest SSD footprint. Through use of these Embedded SSD designs, data corruption is practically eliminated, reliably meeting the most stringent mechanical, environmental and temperature requirements, and with low latency response times, it enhances performance in the most data-intensive applications. The result are no-compromise solid-state storage solutions that provides embedded systems

Historical Accomplishments

Year	Accomplishment
1990	Founded in California as Simple Technology, Inc.
1993	Created the PCMCIA (PC Card) Division and expanded its manufacturing facilities
1994	Acquired Cirrus Logic's flash controller design team and established an OEM sales division
1995	Recognized on Inc. 500 list as the 50th fastest-growing business in the United States
1995	Introduced IC Tower® TSOP stacking technology and delivered its first stacked memory product
1996	Introduced its first solid-state drives and opened European headquarters with complete design, manufacturing and logistics capabilities
1997	Achieved first ISO-9001 certification
1998	Acquired flash memory card developer SiliconTech
1999	Introduced and first to market 1GB Solid State IDE Storage Devices, SDRAM Modules and introduced and first to market 320MB Type II CompactFlash
2000	Completed initial public offering (IPO) and is listed as STEC on NASDAQ
2001	Changed its corporate identity from Simple Technology, Inc to SimpleTech
2005	Acquired Memtech SSD, a developer of solid-state flash drives
2006	Acquired Gnutek, a developer of flash-based SSDs and introduced the MACH1 line of flash products, as well as Postage Stamp BGA Stacking technology
2006	Achieved ISO14001-2004 certification for environmental standards and completed the design and development of its memory module TDBI (Test-During-Burn-In) systems
2007	Divested consumer product division and SimpleTech brand; renamed the company STEC, Inc.
2007	Introduced ZeusIOPS Fibre Channel SSD, the first enterprise-class SSD
2007	Completed move-in to Malaysia facilities, featuring design, manufacturing and logistics capabilities
2007	Opened additional STEC locations in Italy, Japan, China, and Taiwan
2008	Deployed industry's first SAS SSD (ZeusIOPS SSD) within enterprise-grade storage systems
2008	Introduced mid-range of MACH8 SSD product line
2009	Introduced industry's first and only native 4GB Fibre Channel SSD (ZeusIOPS 4Gb FC SSD), a SAS enabled SSD (ZeusIOPS SAS SSD), and the industry's highest capacity SSD
2010	Introduced and first to ship enterprise capable MACH16 MLC SSD with CellCare Technology
2010	Introduced and shipped ZeusRAM SSD, an enterprise-class, wear-resistant RAM-based persistent storage SSD for high-performance computing applications

Historical Accomplishments

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2011	Announced next-generation MACH2+ family of CF products
2011	Shipped 4th generation ZeusIOPS SSD, achieving a sustained random read performance in excess of 120,000 IOPS
2011	Acquired assets of KQI, an India-based software design company
2011	Introduced Kronos PCIe solid-state accelerator (SSA) family for enterprise storage and server applications
2011	Introduced STEC SSD Cache software to enable fast access to data in virtualized server environments, improving performance 10X while reducing acquisition costs by one-third

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