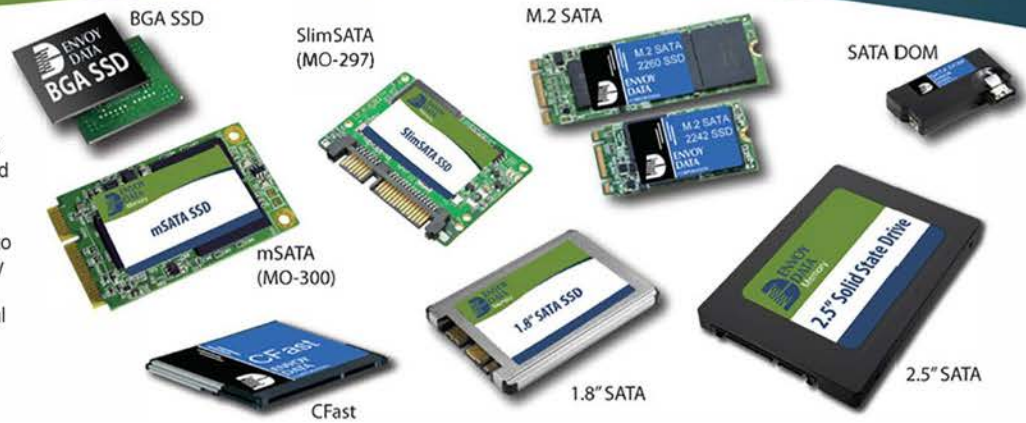


SATA

Solid State Drives (SSD's) are very robust and low power replacements for Hard Disk Drives (HDD's). SSD's have no moving parts, so vibration and shock tolerance are greatly improved over mechanical Hard Disk Drives, resulting in a much better solution for mobile applications. Serial ATA (SATA) SSD's use the standard SATA interface and are capable of up to 6Gbps transfer rates (SATA III). Envoy Data Memory offers a broad selection of SATA SSD products that meet the harshest of applications in both commercial and industrial markets. Our SATA 2.5" SSD's are offered in commercial or industrial temperature ranges, made with either Multi-Level Cell (MLC) or Single Level Cell (SLC) NAND Flash.



PATA/IDE

Parallel ATA or PATA SSD's, Compact Flash cards and DOM's use the standard Parallel ATA interface and are capable of high transfer rates. Envoy Data Memory offers a broad selection of PATA SSD, Compact Flash and DOM products that meet the harshest of applications in both commercial and industrial markets. Our PATA 2.5" SSD's are offered in commercial or industrial temperature ranges, made with either Multi-Level Cell (MLC) or Single Level Cell (SLC) NAND Flash.



Secure Digital

Industrial Grade SD cards are built with SLC NAND Flash and are a great choice for high reliability industrial equipment, embedded computing and data-logging applications. Envoy Data Memory offers SD cards that are manufactured with SLC NAND Flash and 32bit RISC controller. Secure Digital Cards are great for industrial grade products that require high performance together with the reliability and consistency achieved through our strict locked SOM and locked firmware policy.



USB

Envoy Data Memory's Embedded USB Flash Modules (UFM) and standard USBs offer a robust and reliable high performance storage solution in a very compact form factor. They are fully USB 2.0 compatible, with high data transfer rates. Our UFM series offers low power consumption while achieving high performance and affordability. These embedded USB Flash Drives are available in a 1.0pin 2x5 connector with 2.54mm pin pitch.



PC Cards

Envoy Data Memory's PC Cards are for applications requiring high reliability and high tolerance to shock, vibration, humidity, altitude, ESD, and temperature. The rugged industrial design, combined with temperature testing and adherence to rigid IPC-A-610 Class 2 workmanship standards, ensures flawless execution in the harshest environments.



Since 1993, Envoy Data Memory has been a specialty manufacturer of industrial storage products with a proactive approach. Combining years of experience with onsite engineering and design-in capabilities, the company today provides a full line of Flash Memory products for data sensitive solutions, including ATA Flash, Compact Flash, Solid State Drives (SSD's), USB, Secure Digital (SD) and Micro SD, SRAM and Linear Flash.

Envoy Data Memory has the experience and technical know-how to meet storage needs with competitive pricing and trusted quality control for ISO 9001: 2015 Quality System, Consistent delivery schedules, Level 1 engineering support, Industrial and mission-critical storage, OEM product services. Need more information or want to test our product in your application? Call us at 1-800-368-6971, or visit us at www.envoydatamemory.com

Technologies

[SD Card S.M.A.R.T. Primer](#) Envoy Data Memory SD and μ SD controllers implement CMD56 support and specialized firmware to provide S.MART like features to systems designers.

[Power-Loss Management Primer](#) Envoy Data Memory industrial SSD controllers implement advanced firmware and hardware methods to protect data integrity in the event of sudden loss of power during drive operation.

[Endurance & Reliability Primer](#) Envoy Data Memory implements sophisticated technology to safeguard the data in the NAND flash cell against its P/E cycle limitations and data retention characteristics. The industrial grade SSD controllers advanced algorithms allow Envoy Data Memory SSD's to address diverse applications and use cases with unique requirements.

[EconoSLC](#) Need SLC performance, endurance, data retention or BER in your application? EconoSLC™ delivers SLC features without SLC cost, SLC density limitations and SLC lead time.

[Industrial Temperature MLC NAND Primer](#) Cost effective 'I' Temp MLC for harsh environments. Envoy Data Memory's "I" Temp memory line provides customers options to meet Industrial Temperature operating range requirements.



Envoy Data Memory used in rugged instrumentation



Envoy Data Memory used in rugged mobile computers



Envoy Data Memory used in industrial robotics

Services

- Locked BOM / Firmware
- Custom Product Design
- Conformal Coating
- Legacy Product Support
- Low Power Version

