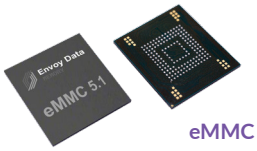
Envoy Data
MEMORY

EMBEDDED PRODUCT LINE CARD

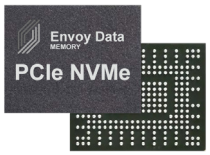
Embedded SSD

Envoy Data Memory's industrial SSDs provide reliable and high-quality data storage solutions for industrial applications. With features such as extended temperature range, SLC NAND, custom firmware, and small form factors, our SSDs offer several benefits, including data integrity, high-speed data access, and low power consumption. Whether you need an SSD for harsh environments or space-constrained applications, our industrial SSDs are the ideal solution. Our industrial SSDs come in a range of small form factors, including M.2, PCIe, BGA SSD, mSATA, and eMMC, making them ideal for applications with limited space.

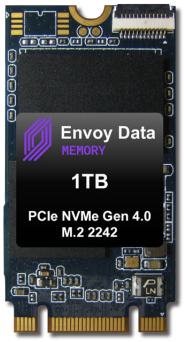
E.13



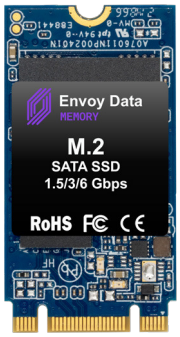
eMMC



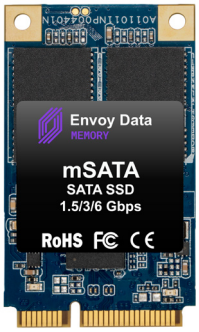
BGA



PCIe



M.2 SATA



mSATA

External and Enterprise SSD

Our enterprise SSD are built to handle high performance and reliability requirements of enterprise-level applications. They are designed to handle large-scale data center workloads, providing consistent and high-speed data access. Our enterprise SSDs have higher write endurance, advanced error correction, and better data protection. Our SSDs come in all standard form factors, including U.2 and 2.5", making them compatible with a wide range of devices. We offer a variety of advanced features, such as DIPM, NCQ, SMART, advanced wear-leveling, bad block management, AES 256-bit/FIPS140-2' hardware encryption, and secure erase, ensuring that your data is secure and protected.

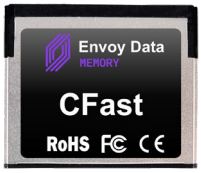
U.2/U.3

2.5

Industrial Cards

Envoy Data Memory's industrial memory cards provide reliable and high-quality data storage solutions for industrial applications. With features such as extended temperature range, custom firmware, and small form factors, our memory cards offer several benefits, including data integrity, high-speed data access, and low power consumption. Our product line includes industrial Secure Digital (SD), industrial microSD, industrial Compact Flash card, industrial CFast, and industrial USB.

CF Card



CFAST

Secure Digital

uSD

USB

RFID Embedded Readers

Envoy Data Memory is pleased to announce its partnership with rf IDEAS, integrating RFID Embedded Solutions into its Memory division.

WAVE ID® Embedded OEM Portfolio.

A Next-Generation Portfolio of OEM Authentication Technologies.

WAVE ID® Plus OEM Micro:
69mm x 27mm (2.7" x 1.1")

WAVE ID® Plus OEM:
59mm x 36mm (2.3" x 1.4")

WAVE ID® Plus OEM Pico:
59mm x 36mm (2.3" x 1.4")

Envoy Data
MEMORY

EMBEDDED PRODUCT LINE CARD

Founded in 1993, Envoy Data Memory is the leader in the design, development, and manufacture of state-of-the-art industrial embedded memory solutions for all verticals with rugged and demanding environments.
Envoy's experts solve our clients' industrial memory challenges by architecting the most economical and robust solutions to meet their specifications, with the most available Build of Material options.
Our best-in-class memory solutions productively and efficiently bring together new and emerging technologies, leveraging Envoy Data's product portfolio breadth, allowing us to provide the latest and most effective solutions to our customers.
Envoy Data's Memory team works closely with clients from concept and proposal to production and delivery. Upon concept approval, the team provides project management and expert consultation throughout the memory lifecycle.

HEALTHCARE

INDUSTRIAL AUTOMATION

IOT

COMMUNICATIONS

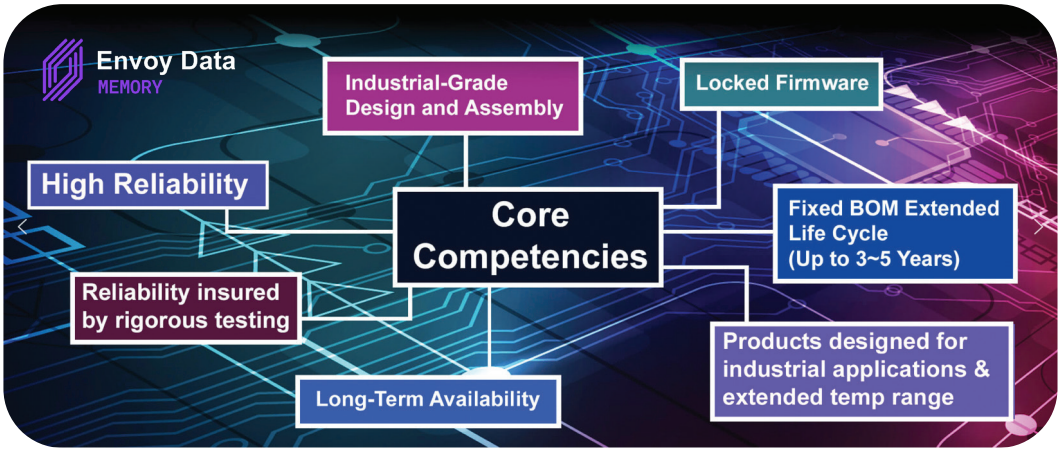
Technologies

Power Loss Protection (PLP) Ensures that data is not lost during sudden power failures. This technology provides temporary power source to store data in the event of an unexpected power loss.

Advanced LDPC ECC Engine Advanced Low-Density Parity Check (LDPC) Error Correction Code (ECC) is an error-correcting mechanism that detects and corrects errors that occur during data transfer.

S.M.A.R.T Self-Monitoring, Analysis, and Reporting Technology (S.M.A.R.T.) is a monitoring system that detects and reports on various parameters of the drive's health, such as temperature, error rate, and wear level.

Flash Life Monitor Flash Life Monitor is a monitoring software developed to monitor flash disk health. It tracks the wear level of the flash memory and provides early warnings of potential failures.

End-to-End Data Protection End-to-End Data Protection is an effective methodology to ensure data integrity. This technology uses a combination of error detection and correction codes to prevent data corruption during data transfer.

Core Competencies