FLEXXON
XTEREME SSD

NEW PRODUCT
XTREME SERIES

FLEXXON is proud to introduce its new product XTREME Series for Industrial Solid State Drives (SSDs).

High Performance: FLEXXON XTREME SSD is compatible with SATA III specifications, and delivers high speeds of up to 550MB/s read and 490MB/s write.

Built to Last: LDPC + RAID ECC scheme and Data Compression technique enhance lifetime and secure data, making it a highly reliable solution for embedded applications.

NEWSLETTER

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FLEXXON NEW PRODUCT – XTREME SERIES

FLEXXON ANNOUNCES INDUSTRIAL-GRADE XTREME SOLID-STATE DRIVE WITH SUPER HIGH TRANSFER SPEED AND LONG-TERM RELIABILITY.

Don't compromise your data security and performance with slow hard drives that consume high power and even put your important data at risk. Empower your systems with FLEXXON XTREME Solid State Drive (SSD) series, which is loaded with low-density parity check (LDPC), error correction code (ECC) and advanced protective technologies, making it an excellent choice for industrial applications.

Flexxon's XTREME is manufactured for a long-term, stable operation for various types of data and application, and is suited for industrial PCs, automated machinery, and fanless industrial systems, excellent solutions for embedded applications.

FLEXXON is the world's top Industrial NAND Storage Solutions provider with the largest customer base in the Industrial, Medical and Automotive (IMA) sectors. Flexxon designs, manufactures and markets Industrial NAND Flash Storage Solutions to customers worldwide, meeting the highest standards of performance, reliability, and endurance.

PRODUCT FEATURES

Enhanced Error Detection with LDPC

FLEXXON SSD is transitioning from BCH (Bose-ChaudhuriHocquenghem) to LDPC (Low Density Parity Check). LDPC codes allow SSD to correct more errors for the same ratio of user data to ECC parity.

Longer Lifetime with Data Compression

FLEXXON XTREME SSD uses the Data Compression Technique for high endurance. Write and garbage collection efficiencies are raised, and SSD endurance is also improved for a longer lifetime.

Enhanced Data Protection

FLEXXON XTREME SSD applies LDPC (Low Density Parity Check) of ECC algorithm which can detect and correct errors during read process and protect data from corruption.

10x Less Power Consumption

FLEXXON's LDPC design consumes only 50% gate count of traditional LDPC and power consumption is 10x lower than traditional LDPC design.

Page Recovery with Flexxon RAID ECC Engine

When a page is found faulty and flash ECC protection fails to recover the uncorrectable errors, the defective page will be reconstructed by FLEXXON RAID ECC engine.

Customized Data Security Features

FLEXXON XTREME SSD provides various customized features for enhanced data security:

Write Protect: Once written, disk contents cannot be modified or deleted.

Emergency Data Erase: Erase user data, and return to default factory settings.

Emergency Self-Destroy: Erase Firmware and user data, and SSD cannot be used anymore.

The various features make sure that any unwarranted effort to modify the data in any way is stopped in its tracks.

WHY FLEXXON

The FLEXXON Advantage

At FLEXXON, we make extraordinary products, to the Industrial Grade, with rigorous testing procedures. Our experts conduct a product qualification test from component to production, and a reliability test examining for mechanical, environmental, printing and packaging standards. With an in-depth knowledge of the NAND Flash market and the challenges faced by our customers, we are able to provide lasting solutions. We have a strong technical support team to provide you all the help exactly when you need it.