


SiliconMotion

Embedded GPU

Industrial / Automotive Storage

Display Interface Solutions

- Workplace Productivity
- Industrial



Ferri: Ideal Boot Drive Solutions for AI Ecosystems

With Ferri Intelligent Series technologies, Ferri empowers AI ecosystems with a resilient, secure, and always-ready boot foundation.

- Durability**
Endures in harsh environments
- Reliability**
Protects against device loss
Performs in harsh environments
- Security**
Built-in data protection
Advanced encryption



1-385

Ferri-UFS®/Ferri-eMMC®

Industrial & Automotive UFS/eMMC

- UFS 2.2/3.1; eMMC 5.1
- 3D TLC/SLCmode: 32GB~512GB
- 2D MLC/SLCmode: 4GB~16GB (Ferri-eMMC)
- Automotive grade AEC-Q100 certified
- Firmware customization available
- Robust AI storage solutions with IntelligentSeries™ technologies
- 100% full-range screening results in low dPPM
- Temperature Support:
 - Industrial: -40°C to 85°C
 - Automotive: -40°C to 105°C

Ferri-UFS



Ferri-eMMC



FerriSSD®

PCIe Gen4 x4 NVMe 2.0 Single-Chip SSD

- 3D TLC/SLCmode: 40GB to 960GB
- Digital signed firmware for added boot security
- Full E2E data path protection for robust data integrity
- Robust AI storage solutions with IntelligentSeries™ technologies
- 100% full-range screening results in low dPPM
- Temperature Support:
 - Commercial: 0°C to 70°C
 - Industrial: -40°C to 85°C
 - Automotive: -40°C to 105°C

FerriSSD



M.2 2230



M.2 2242



M.2 2280



Industrial / Automotive Storage

Driving the Automotive Experience of the Future

IVI / Smart Cockpit



V2X / Connectivity



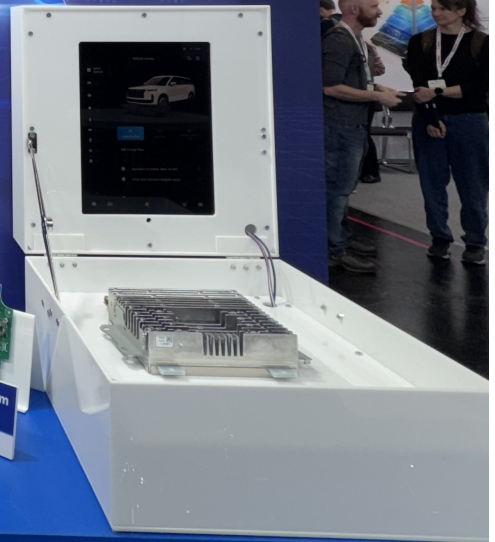
ADAS / Autonomous



Drive Recorder / Surround View Monitoring



Automotive HPC



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iving AI innovations for
Industrial, Automotive,
Data Center Storage!

Data Center /
Enterprise Storage

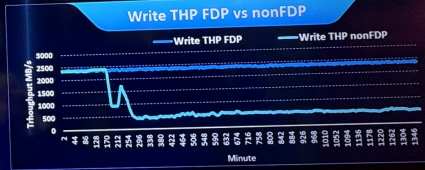
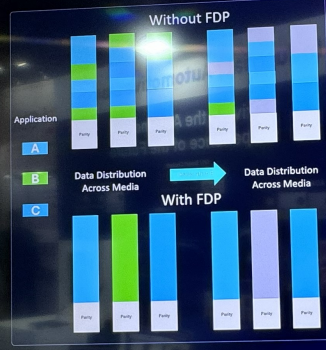
SM8366
MonTitan™ PCIe Gen5 SSD Solutions
High-Performance Enterprise Storage for AI Servers

- PCIe Gen5 x4, 130nm, NVMe 2.0
- OCP NVMe Data Center Specification
- FDP & Performance™ Technology, World Class QoS
- 8 Channel with BCEE (2,400 MT/s)
- Seq. RW: 14.1TB/s
- Max. IOPS: 5,000,000 IOPS
- Faster LLM Training and GNN Completion Times
- Supporting High Capacities: >26TB TLC & QLC SSDs for AI Ingest, Inference and Clustering

SM8008
PCIe Gen5 SSD Solutions
Support Block and Data SSD for Data Center

- PCIe Gen5 x4, NVMe 2.0
- OCP NVMe Data Center Specification
- Power Loss Protection (PLP) Maintains Data Integrity During Sudden Power Failures
- 8 Channel with BCEE (3,600 MT/s)
- 48W SSD Controller Power
- Data Center Power Performance Optimized
- Seq. RW: 14.7 GB/s
- Max. IOPS: 2,3M IOPS
- TSMC 6nm Process

Flexible Data Placement
Supporting Next Generation of Enterprise TLC and QLC NAND



SM8008 Reference Design Kit

E1.0 M.2

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SSDs with SM8008

SSDs with SM8366

MonTitan™ SM8366 Reference Design Kit

S.2 E1.0 E3.0

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