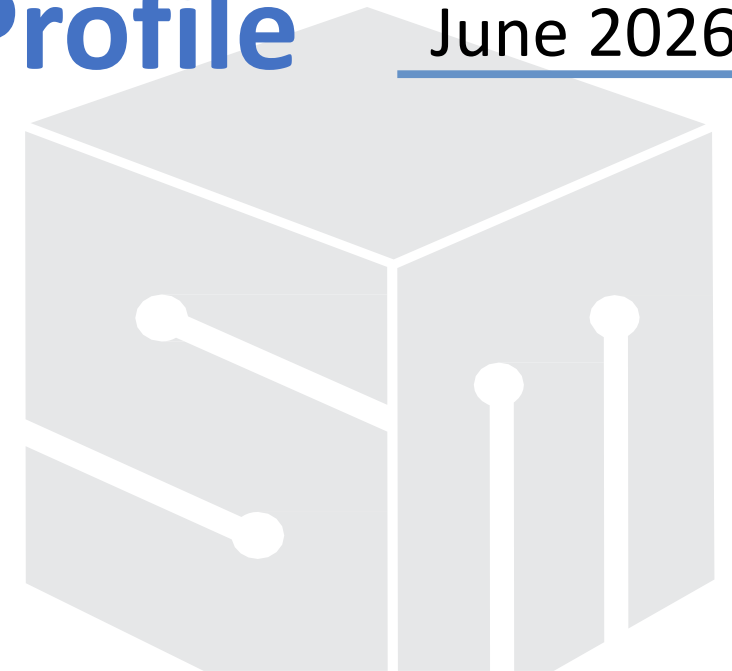




Silicon Motion Company Profile

June 2026





Agenda

- ▶ **Company Overview**
- ▶ **Product Offerings**






Silicon Motion at a Glance

Leading Merchant Supplier in NAND Flash Controllers


Silicon Motion's controllers are widely used in data centers, PCs, smartphones, automotive, commercial and industrial applications




▶▶ **24+ Years**
Focus on NAND controller design



▶▶ **Over 10 Billion**
NAND controllers shipped



▶▶ **Market Share Leader**
Market Leader in edge SSD and embedded eMMC/UFS controllers



▶▶ **Strong partnership with all NAND makers**

2002
Established in
Hsinchu, Taiwan

2005
NASDAQ IPO
SIMO

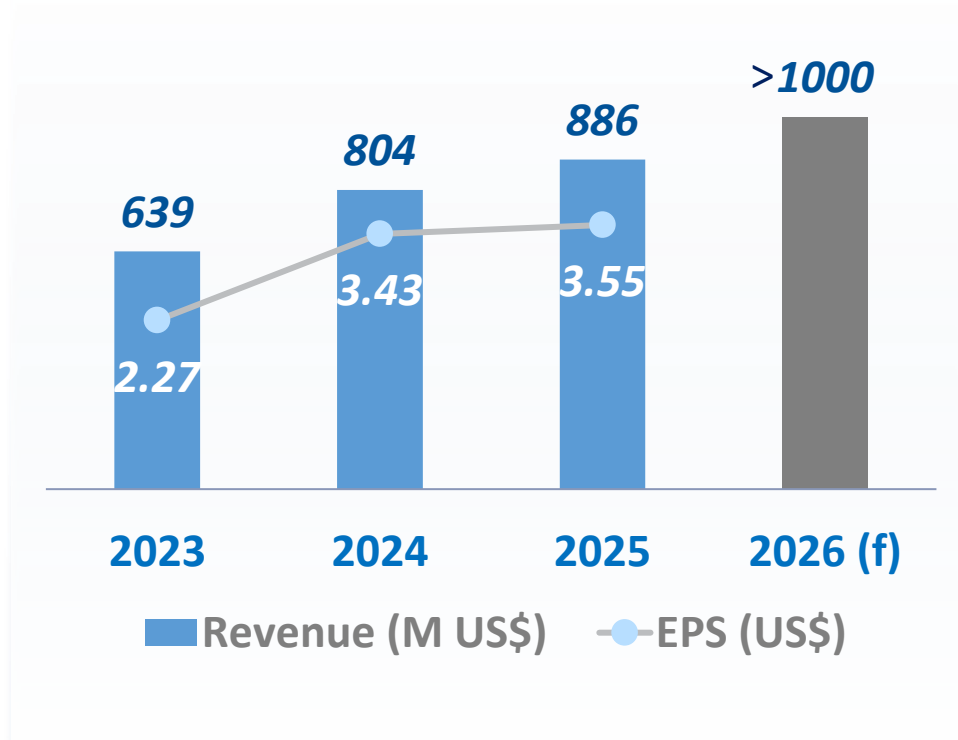
2,020+
Employees
(Q1, 2026)

4,520+
Patents & Application
(Q1, 2026)

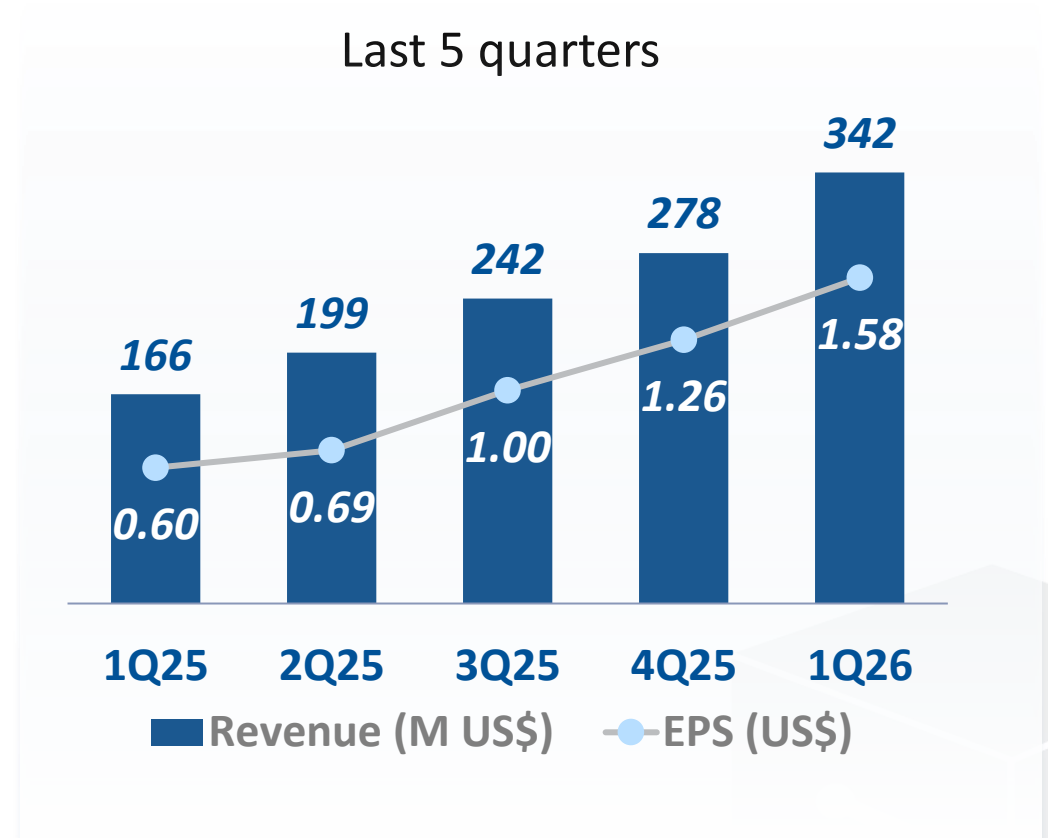


►► Silicon Motion Revenue Trend

Last 3 years



Last 5 quarters



▶▶▶ Empowering AI Workloads with SMI's Innovations

Breakthrough Performance

- 100% In-House Developed High-Speed SerDes IPs
- Scalable Distributed Storage and Intelligent Data Management

High Capacity

- Supports 2Tb QLC NAND and 6/8-plane NAND
- Enables up to 128TB QLC enterprise SSDs

Low Power Consumption

- Advanced Node Technology and Industry-Leading Error Correction Capabilities
- AI-Optimized, Firmware-Driven Performance

Data Security and Integrity

- Multi-Factor Authentication (MFA)
- Advanced Encryption Standards
- Tamper-Resistant Hardware
- End-to-End Data Protection



Product Portfolio for AI Segmentation

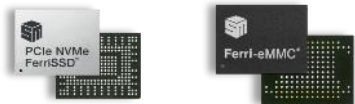
AI Factories



Enterprise SSD Controllers



Enterprise Boot Drive Solutions



Edge AI



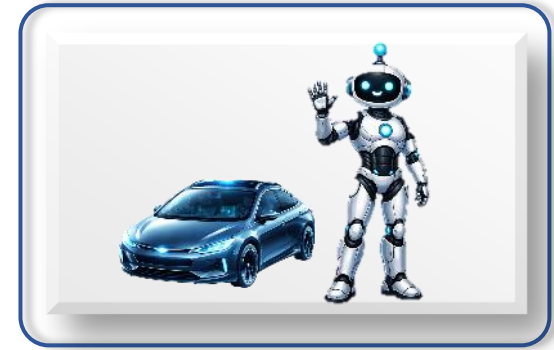
Edge SSD Controllers



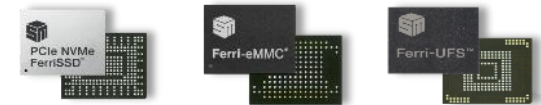
Embedded eMMC / UFS Controllers



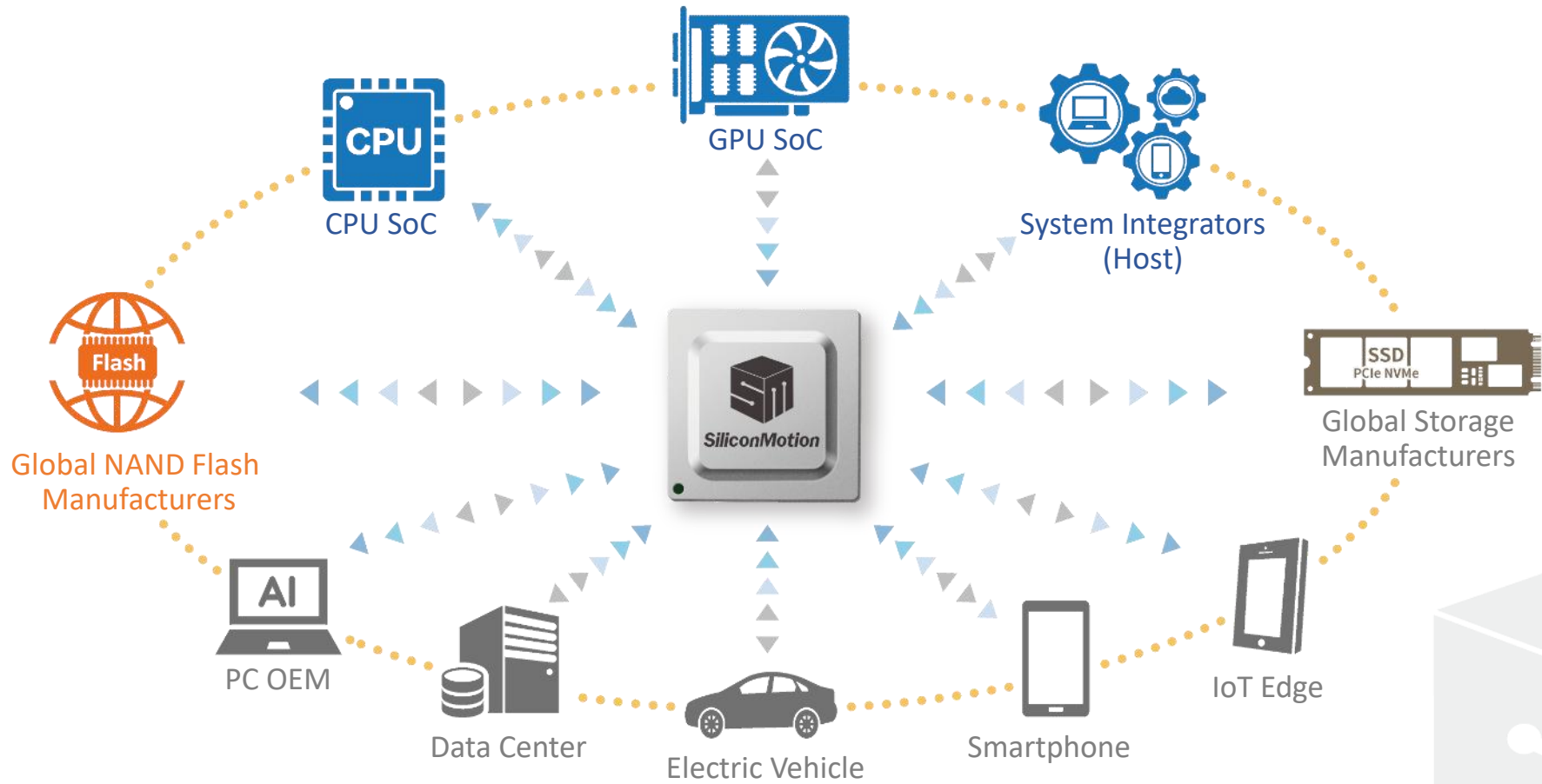
Physical AI



Ferri Products for Automotive



▶▶▶ Silicon Motion Participates in The Entire Storage Ecosystem



Our Worldwide Top Tier Customers & Ecosystem Partners

NVIDIA CISCO amazon Alibaba Group

搜狐 SOHU.com 百度 Baidu 美团 meituan.com 头条

SUPERMICR hp DELL lenovo

acer ASUS Kingston

Lexar longsys BIWIN

TWSC HAWAII Solutions KLEVV

SkyHighMemory RAMOS ADATA Love Life Dreams

Transcend SCY SSSTC

TEAMGROUP Team KOWIN Microsoft

ATP innodisk Union Memory vivo

oppo HONOR TRANSSION 传音控股 MI

TCL coolpad MEIZU ZTE AVANT NEC SHARP avalue Panasonic HITACHI LG MITSUBISHI ELECTRIC SONY

Google NIHON KOHDEN SIEMENS Unigen

SMART Modular Technologies viking TECHNOLOGY Apacer ShineDisk

Virtium ADVANTECH ADLINK

swissbit Canon RICOH

KONICA MINOLTA RENESAS

TESLA Audi VW gm

BYD Ford TOYOTA

CHERY GEELY HARMAN

德赛西威 DESAY SV AUTOMOTIVE DENSO Visteon PATEO

ecarx Neusoft APTIV

FOXCONN HON HAI TECHNOLOGY GROUP FUJI XEROX mindray CHANGXING

SAMSUNG

KIOXIA

SK hynix



SiliconMotion



micron

SANDISK



SOLIDIGM

SMART Modular Technologies viking TECHNOLOGY Apacer ShineDisk

Virtium ADVANTECH ADLINK

swissbit Canon RICOH

KONICA MINOLTA RENESAS

TESLA Audi VW gm

BYD Ford TOYOTA

CHERY GEELY HARMAN

德赛西威 DESAY SV AUTOMOTIVE DENSO Visteon PATEO

ecarx Neusoft APTIV

FOXCONN HON HAI TECHNOLOGY GROUP FUJI XEROX mindray CHANGXING

TCL coolpad MEIZU ZTE AVANT NEC SHARP avalue Panasonic HITACHI LG MITSUBISHI ELECTRIC SONY

▶▶▶ 360 Degree Technical Support Model

Development Enablement

Controller ICs, firmware development, and reference design kits to accelerate time to market with new generation NAND

Pre-Sales Qualification Support

Supporting customers in qualification and validation across all applications

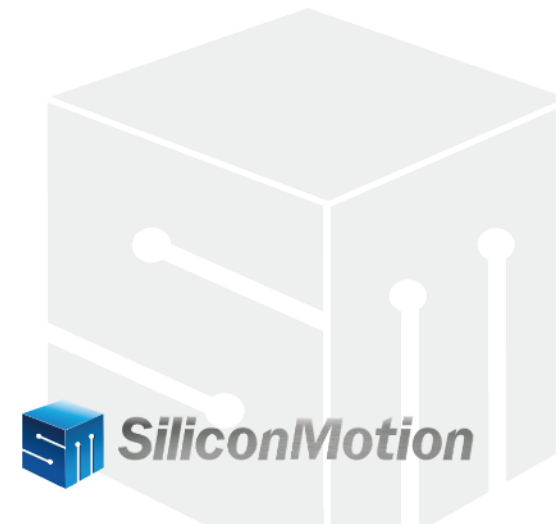


Ecosystem Collaboration

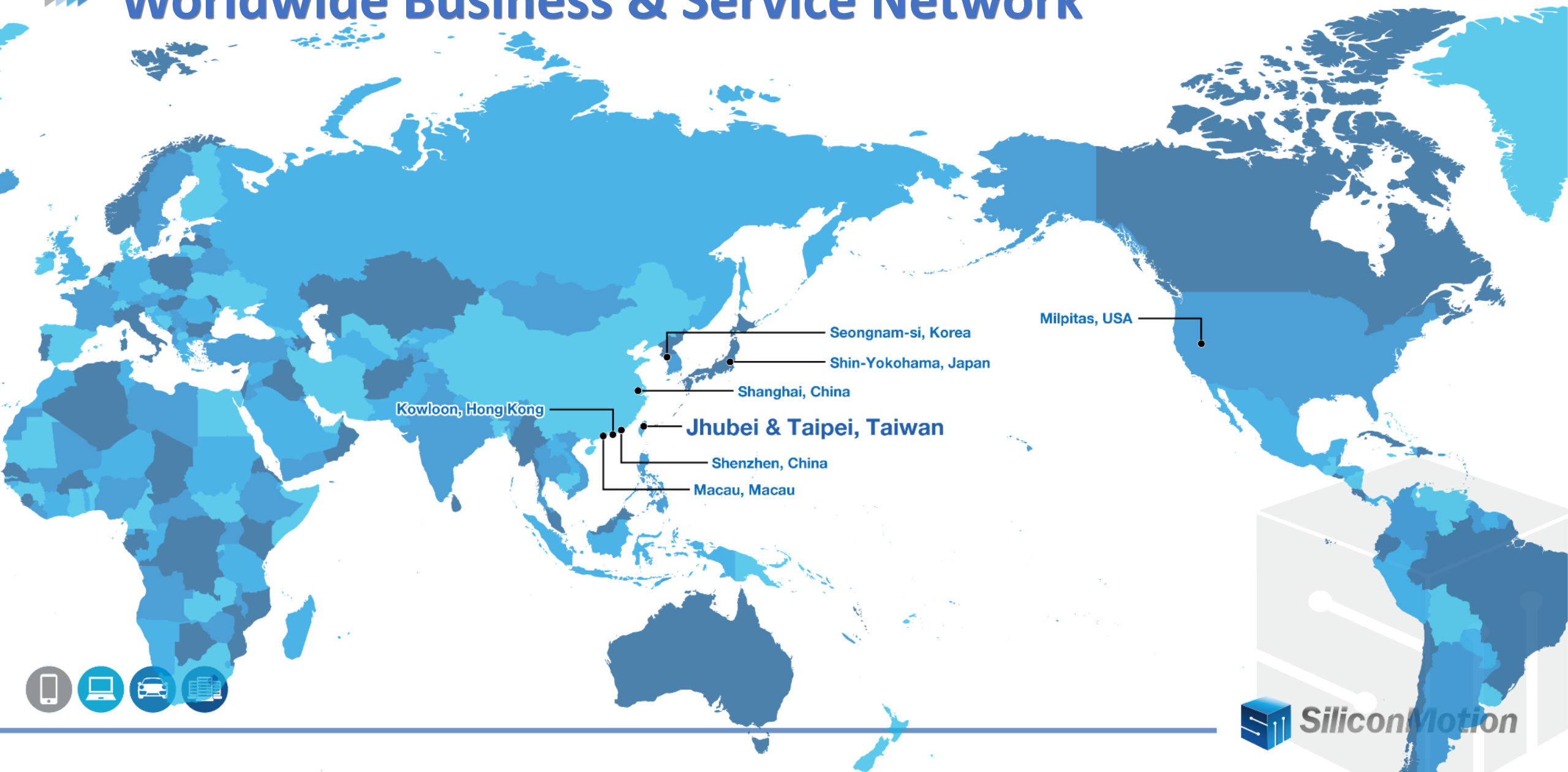
Engaging with partners across every application ecosystem

Post-Sales

WW support and consistent, long-term product lifecycle support



Worldwide Business & Service Network



Seongnam-si, Korea

Shin-Yokohama, Japan

Shanghai, China

Kowloon, Hong Kong

Jhubei & Taipei, Taiwan

Shenzhen, China

Macau, Macau

Milpitas, USA



►►► Broad Portfolio Product Lines



Edge SSD Controllers

PCIe Gen4
PCIe Gen5



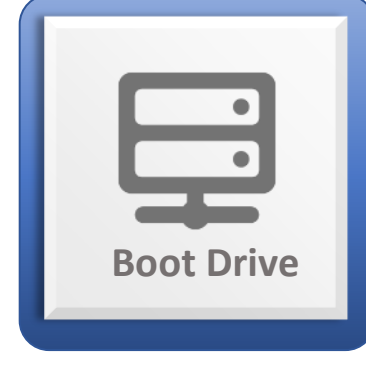
**Embedded eMMC / UFS
Controllers**

eMMC 5.1
UFS 2.2 / 3.1 / 4.1



Enterprise SSD Controllers

PCIe Gen5
PCIe Gen6



**Enterprise Boot Drive
Solutions**

PCIe Gen3
PCIe Gen4
PCIe Gen5



**Ferri Solutions for
Automotive**

FerriSSD
Ferri-eMMC
Ferri-UFS



▶▶▶ Edge SSD PCIe NVMe Controller Offerings

35%+
Market Share



SM2508 PCIe 5.0 Flagship

- PCIe G5x4
- NVMe 2.0
- 8CH32CE, 3600MT/s
- 14+GB/s , 2.5M IOPS

MP Now



SM2504XT PCIe 5.0 Mainstream

- PCIe G5x4
- NVMe 2.0
- 4CH16CE, 3600MT/s
- 12+GB/s, 2.0M IOPS
- SCA supported

MP Now



SM2524XT PCIe 5.0 Hi-Performance

- PCIe G5x4
- NVMe 2.0
- 4CH16CE, 4800MT/s
- 14+GB/s, 2.5M IOPS
- SCA supported

MP : Q4, '26



SM2268XT2 PCIe 4.0 Mainstream / Value

- PCIe G4x4
- NVMe 2.0
- 4CH16CE, 3600MT/s
- 7.4GB/s, 1,200K IOPS

MP Now



►►► Embedded eMMC/UFS Controller Offerings

Top 10

Android phone OEMs
adopted



SM2755 UFS 4.1

UFS 4.1, HS-G5x2L, 2CH 3600 MT/s
4KB LDPC + RAID + SECDED
[ES in 3Q'26](#)



SM2753 UFS 3.1

UFS 3.1, HS-G4x2L, 1CH 3200MT/s
4KB LDPC + RAID + SECDED
[MP Now](#)



SM2752P UFS 2.2

UFS 2.2, HS-G3x2L, 1CH 1600MT/s
4KB LDPC + SECDED
[MP Now](#)



SM2730 eMMC 5.1

eMMC 5.1 HS400, 1CH / 2CE
1KB LDPC
[MP Now](#)



SM2738 eMMC 5.1

eMMC 5.1 HS400, 1CH / 2CE
4KB LDPC + SECDED
[MP Now](#)



Enterprise SSD Controller Offerings



Compute / Warm SSD



SM8466 PCIe 6.0 High Performance SSD

PCIe G6x4 NVMe 2.0+
16CH, 8 CE/CH (4800MT/s)
28 GB/s, 7M IOPS,
MAX Cap 512TB, [ES in 1Q'27](#)



Compute / Warm SSD



SM8366 PCIe 5.0 Data SSD

PCIe G5x4 (Dual Port) NVMe 2.0
16CH, 8CE/CH 2400MT/s
14+GB/s, 3.5M IOPS,
MAX Cap 256TB, [MP Now](#)



Nearline SSD



SM8388 PCIe 5.0 Nearline SSD

PCIe G5x4 (Single Port) NVMe 2.0
8CH, 8CE/CH 2400MT/s
12+GB/s, 2.0M IOPS,
MAX Cap 128TB, [MP Now](#)

SATA SSD





SM2271 SATA SSD

SATA III
E2E DPP+SRAM ECC
MAX Cap 16TB, [MP Now](#)



Enterprise Boot Drive Controller Offerings

	PCIe Gen3	PCIe Gen4	PCIe Gen5
 PCIe NVMe DRAMless	SM2263XT- MP Now PCIe G3x4, NVMe 1.3 4CH, up to 800MT/s E2E+SRAM ECC, Security No OCP	SM2268XT2- MP Now PCIe G4x4, NVMe 2.0 4CH, up to 3600MT/s E2E+SRAM ECC, Security OCP	
 PCIe NVMe DRAM	SM2264- MP Now PCIe G4x4, NVMe 1.4 8CH, up to 1600MT/s E2E+SRAM ECC, Security No OCP	SM8008 – MP Now PCIe G5x4, NVMe 2.0 8CH, up to 3600MT/s Cost and Power Optimized Up to 16TB SSD TLC & QLC + OCP Boot 1.0 + OCP 2.6* OCP	



Enterprise Boot Drive Solution Offerings



PCIe Gen3 BiCS5

SM681GX*-AGS (BiCS5) MP Now

PCIe Gen3 x2/4 NVMe 1.3
16x20 BGA/M.2 2242/ 2280
64 ~ 480GB (TLC Mode)
NVME-Mi Appendix A
i-temp available
PLP optional

DPU Boot Drive

PCIe Gen4 SS V8

SM681GX*-C8V (SS V8) MP Now

PCIe Gen4 x2/4 NVMe 2.0
16x20 BGA/M.2 2242/ 2280
120~960GB (TLC Mode)
NVME-Mi Appendix C
i-temp available
PLP optional

DPU Boot Drive
Switch Boot Drive

PCIe Gen5 X4-9060 eTLC

MD689DX*MG8x (X4-9060) ES: Q2'26

PCIe Gen5 x2/4 NVMe 2.0
M.2 2280
480GB ~ 960GB(TLC Mode)
DWPD = 1 (upto ~3)
C-temp
PLP optional

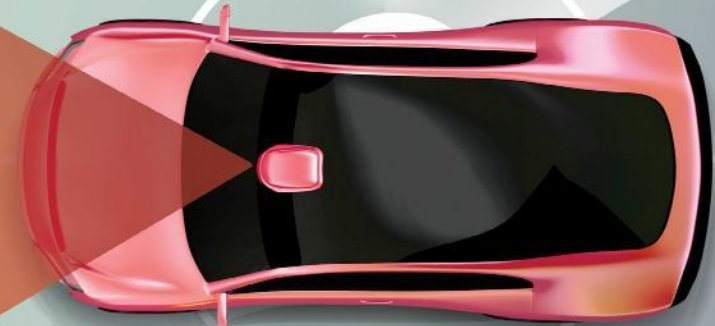
AI Server Boot Drive



▶▶▶ Ferri Products for Automotive



- Collaboration with leading module manufacturers worldwide
- Compliant with automotive safety standards
 - ASPICE certified
 - ISO 26262 functional safety compliant
- Ferri embedded automotive storage solutions



▶▶▶ Certified for Automotive PCIe SSDs, eMMC and UFS

ASPICE Certification

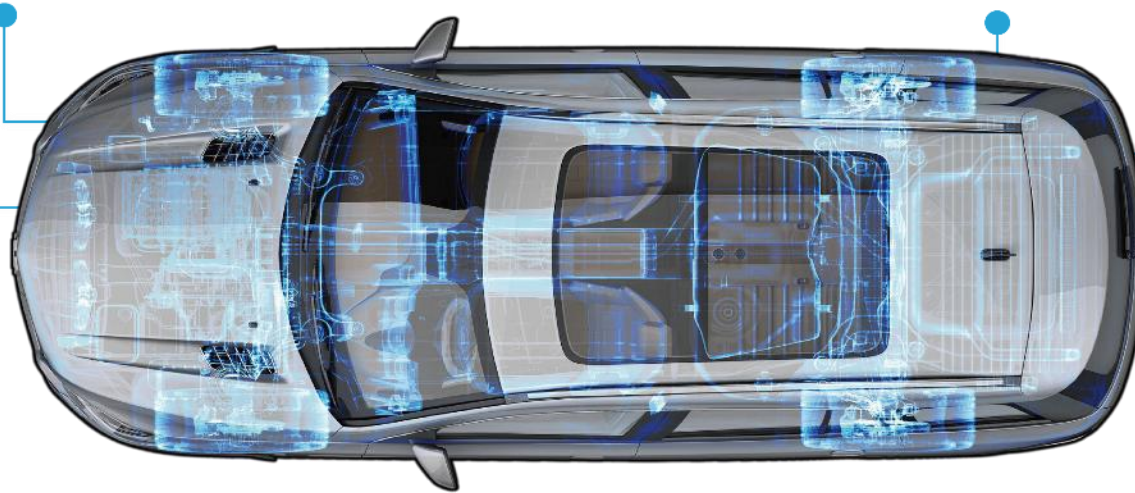
- The world's first to achieve ASPICE CL3 for an SSD solution.

IATF16949 Compliance

- FMEA (Failure Mode and Effect Analysis)
- Zero-defect quality management standard

AEC-Q100 Grade 3/2

- Grade 2: -40°C ~ +105°C
- Grade 3: -40°C ~ +85°C



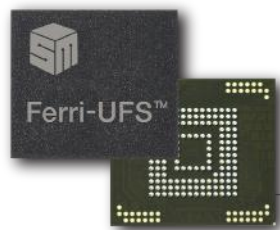
ISO26262 Functional Safety Compliance

- Safety Levels: ISO26262 for ASIL A, ASIL B, ASIL C and ASIL D

▶▶▶ Powered by Silicon Motion



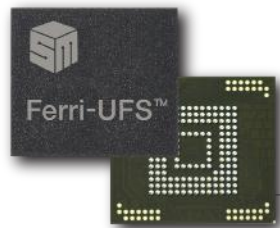
▶▶▶ Ferri-UFS® Roadmap



SM671PX C8V UFS3.1

- UFS3.1 G4 x L2, 1CH 3200Mbps
- 128 ~ 512GB
- AEC-Q100 G3/G2 in Q2'26

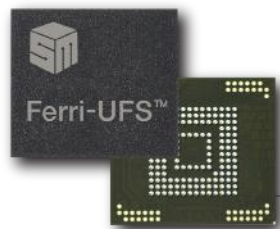
CS: Now



SM671PX BFS UFS3.1

- UFS3.1 G4 x L2, 4CH 800Mbps
- 64 ~ 512GB
- AEC-Q100 G3/G2

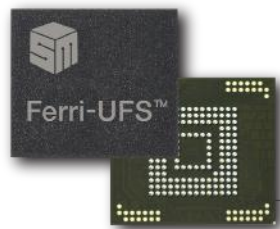
MP: Now



SM671PX L C8V UFS2.2

- UFS2.2 G3 x L2, 1CH 3200Mbps
- 128 ~ 512GB
- AEC-Q100 G3/G2 in Q2'26

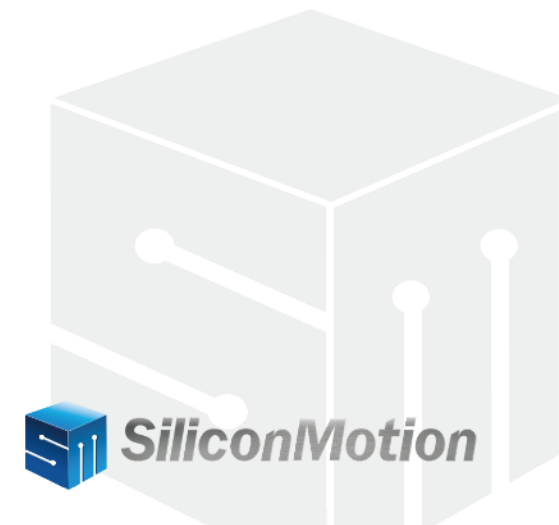
CS: Now



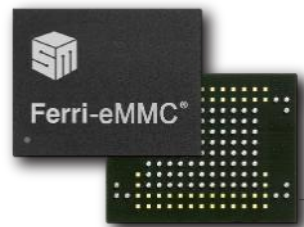
SM671PX L BFS UFS2.2

- UFS2.2 G3 x L2, 4CH 800Mbps
- 64 ~ 512GB
- AEC-Q100 G3/G2

MP: Now



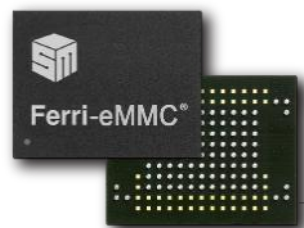
▶▶▶ Ferri-eMMC[®] Roadmap



SM662PxC/D/E/F- BFS (BiCS5)eMMC5.1

- eMMC 5.1 LDPC, 153/100 ball
- 64 ~ 512GB
- AEC-Q100 G3/G2

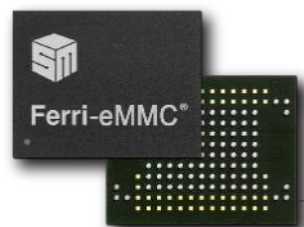
MP: Now



SM662PxB- C6V eMMC5.1

- eMMC 5.1 LDPC, 153/100 ball
- 32GB
- AEC-Q100 G3/ G2

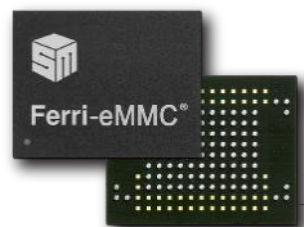
MP: Now



SM662PxA- C4V eMMC5.1

- eMMC 5.1 LDPC, 153/100 ball
- 16GB
- AEC-Q100 G3/ G2

MP: Now



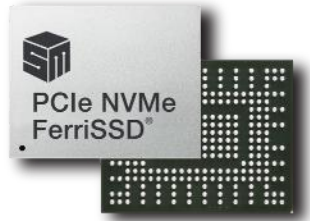
SM662Px8 - C4V eMMC5.1

- eMMC 5.1 LDPC, 153/100 ball
- 8GB
- AEC-Q100 G3/ G2

MP: Now



▶▶▶ FerriSSD® Roadmap



PCIe Gen3/4 (A*/C*/G* series)

SM681GX*-AGS (BiSC5)

- PCIe Gen3 x2/4 NVMe 1.3
- 16x20mm TFBGA
- 64~480GB (TLC Mode)
- 32~160GB (SLC Mode)
- Hybrid NS Zone by Req.
- E2E Data Path Protection
- SLC mode First
- NVMe-Mi AppendixA
- i-temp available
- PLP optional

MP: Now

SM681GX*-C8V (SS V8)

- PCIe Gen4 x2/4 NVMe 2.0
- 16x20mm TFBGA
- 120~960GB (TLC Mode)
- 40~320GB (SLC Mode)
- E2E Data Path Protection
- TLC Direct Write
- NS / Endurance Group
- NVMe-Mi Appendix C
- i-temp (auto grade) optional
- PLP optional

CS: Now



SATA3 (D*/E*/Y* series)

SM619GX*-DG/EG (BiCS5)

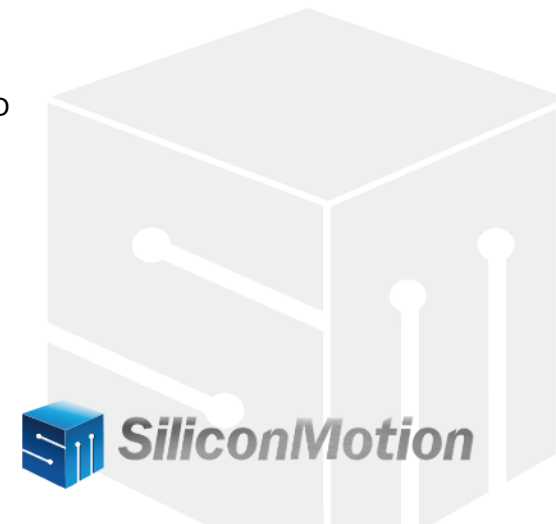
- 16x20mm TFBGA
- 64 ~ 480GB (TLC Mode)
- 16 ~ 160GB (SLC Mode)
- Embedded DRAM
- E2E Data Path protection
- SRAM/DRAM ECC
- LDPC+RAID
- PLP & i-temp available
- DWPD 0.3 @5 yrs

MP: Now

SM611GX*-Y8V (SS V8)

- 16x20mm TFBGA
- 120~960GB (TLC Mode)
- 40~320GB (SLC Mode)
- DRAMless
- E2E Data Path protection
- SRAM ECC, NAND LDPC+RAID
- i-temp available
- PLP optional
- DWPD 0.3 @ 5 yrs

ES: Now



▶▶▶ SMI Automotive Solutions: Controllers



SM2504XT-AT PCIe Gen5

- PCIe Gen5 x 4
- NVMe 2.0
- 64GB to 1TB

ES: Now



SM2268XT2-AT PCIe Gen4

- PCIe Gen4 x 4
- NVMe 2.0
- 64GB to 1TB

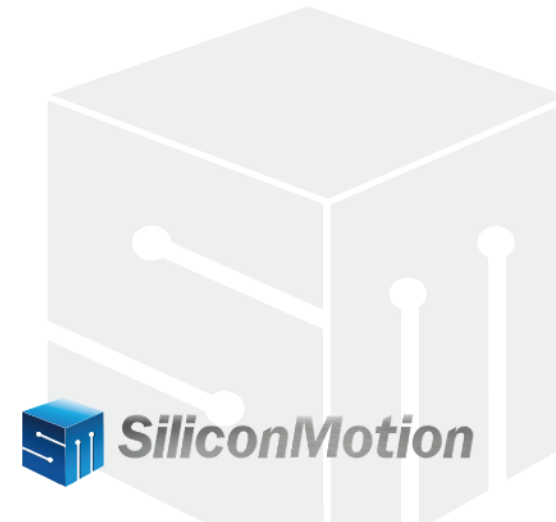
MP: Now



SM2264XT-AT PCIe Gen4

- PCIe Gen4 x 4
- NVMe 1.4
- Support SR-IOV (8VF)

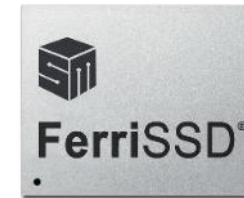
MP: Now



▶▶▶ Ferri Family Product Overview

Ideal for Industrial / Telco / Automotive Storage

- HW, FW & Product Customization
- IntelligentSeries data protection
- Security: AES, TCG OPAL & Pyrite
- Design service to MP support
- 100% screened for low dPPM
- Proven scalable MP setup



Applications



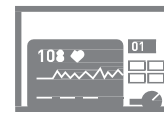
Automotive



Server



Thin Client



Medical Device



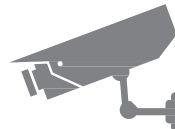
POS



Kiosk



Gaming



Surveillance



MFP



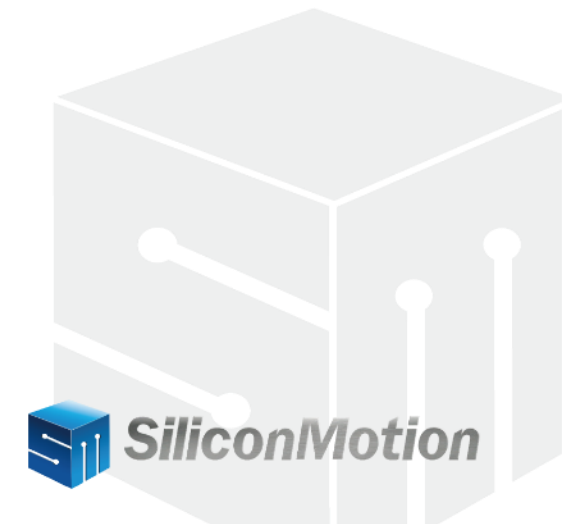
FA / HMI



IP Handheld Device



Test Instruments



▶▶▶ Ferri Family Provides Fully Integrated Embedded Storage Solutions

NAND Flash Maker

SAMSUNG

SANDISK™ KIOXIA

SMI Dedicated BU:
Ferri HW/FW/SW/AE SVD Team

Powered by



SMI Dedicated
WW Sales / FAE Team

Ferri Single Chip Storage
FerriSSD / Ferri-eMMC / Ferri-UFS

Design Service:
Full storage design services



Embedded
System Customers





Thank You!

