



*SiliconMotion*

# COMPANY PROFILE

August 2023

# Silicon Motion at a Glance

## Leading Merchant Supplier in NAND Flash Controllers

- Over 674 Million SSD controllers shipped since 2014. The largest SSD controller supplier since 2021.
- Over 3.4 Billion eMMC/UFS controllers shipped since 2012. Top 10 Android phone OEM adapted.
- Supports all NAND flash: Kioxia, Micron, Samsung, SK Hynix, Solidigm and Western Digital
- Widely used in data centers, PCs, smartphones, automotive, commercial and industrial applications



**2002**

Established in  
Hsinchu, Taiwan



**2005**

NASDAQ IPO  
SIMO



**1500+**

Employees  
(Q2, 2023)

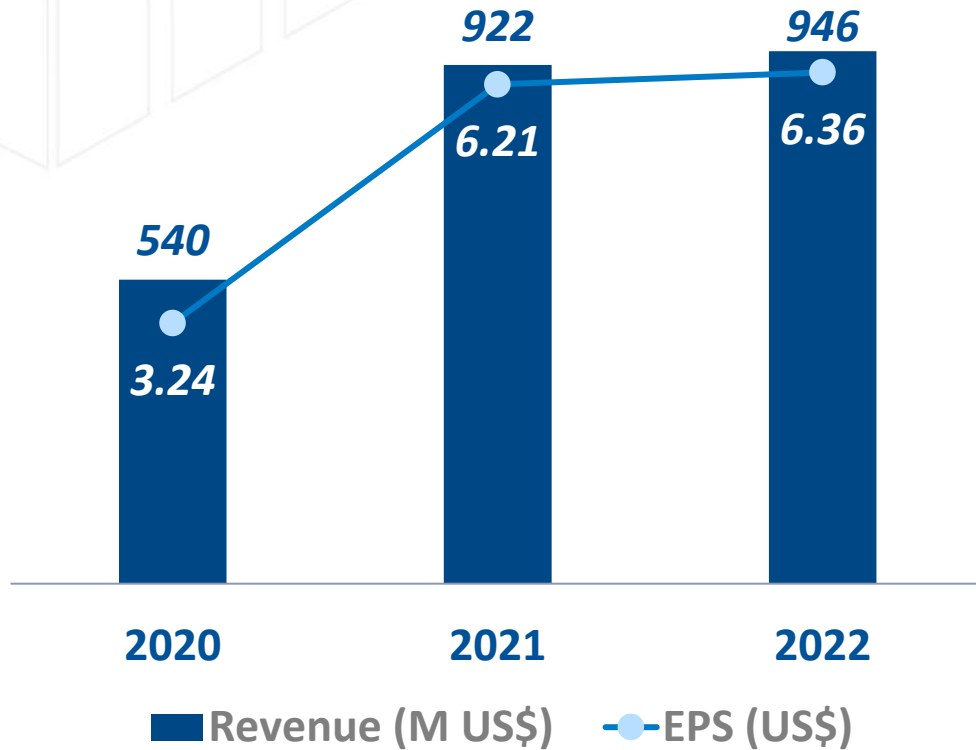


**3800+**

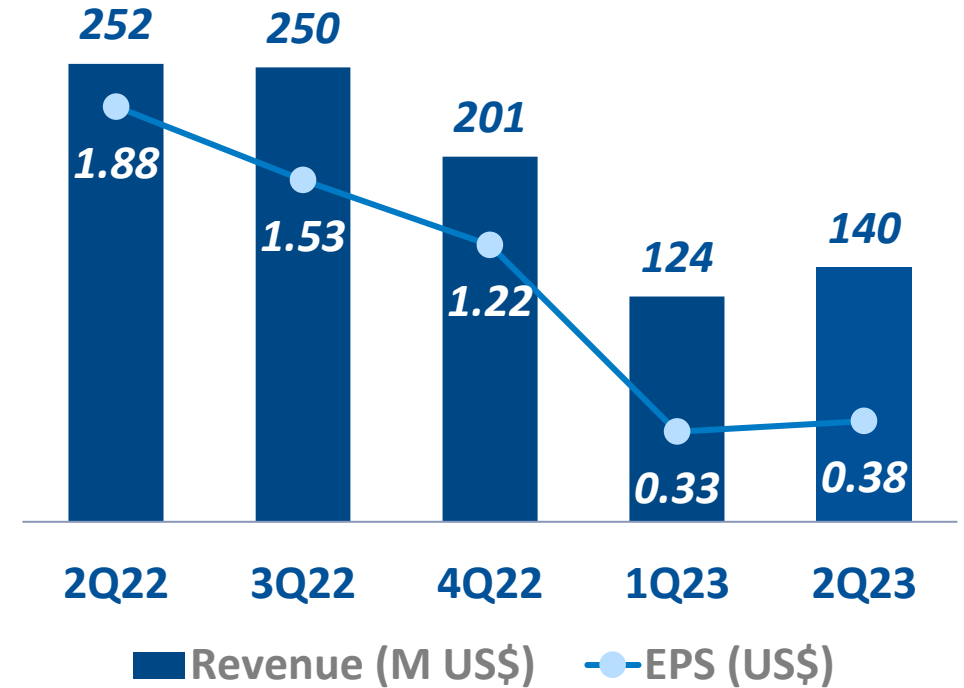
Patents & Applications  
(Q2, 2023)

# Silicon Motion Revenue Trend

## Last 3 years

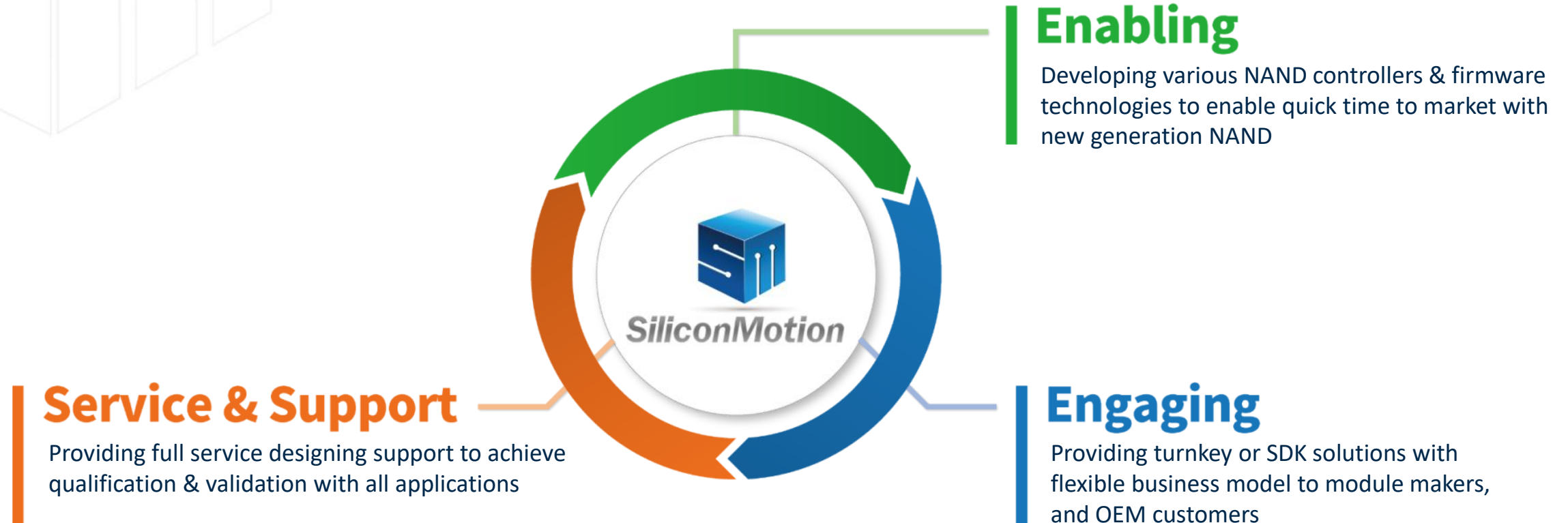


## Last 5 quarters



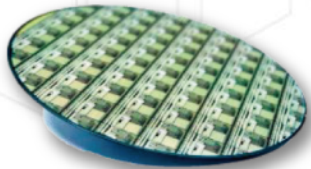
# More than NAND Flash Controllers

Silicon Motion is the Core Partner of NAND Storage Ecosystem



# Breaking New Ground of NAND Controllers

SMI Develops Full Turnkey Controllers with Firmware Architecture



## NAND Controller Expert

- Over 20 years NAND controller & firmware development experience with all NAND makers
- Deep knowledge in NAND



## High Speed and Low Power

- Leading-edge process technology nodes
- High speed SerDes IPs
- Unique ASIC and FW design methodology



## Low Latency and QoS

- State-of-the-art firmware algorithms & architecture
- Patented ECC technology



## Flexible and Fully Support

- Various advanced packaging solutions to support different storage products and PCB design

# Creating Differentiated Value to Customers

SMI Supports Full Turnkey and Flexible Development Models

Applications



SMI supports Applications Systems Integration : Testing & Validation

NAND OEMs / Customers

Client SSD

Enterprise SSD

eMMC

UFS

SD

UFD

## Flexible development model

NAND Flash controller

Turnkey Solution

MP Tool

SMI FW

Controller IC

Customers'  
FW develop

SDK Solution

Controller IC  
+  
SDK Source Code

Customization

PCB Board

Customized FW

Controller IC

SSD Solutions

FerriProducts

Shannon  
Enterprise SSD

# Broad Portfolio Product Lines

SMI Provides Comprehensive Products from Client to Enterprise Data Center



Computer

## SSD Controllers

### PCIe NVMe

- SM2508
- SM2264 / SM2268XT / SM2269XT

### SATA

- SM2259XT2 / SM2259XT3

## Portable SSD Controllers

- SM2320 / SM2321



Mobile

## Mobile Storage Controllers

### eMMC

- SM2730 / SM2732 / SM2736

### UFS

- SM2752 / SM2753 / SM2754



Industrial

## SSD Controllers

### PCIe NVMe

- SM2262EN / SM2263XT / SM2267 / SM2264

### SATA

- SM2259 / SM2259XT

## Single-chip Storage Solutions

- FerriSSD / Ferri-eMMC / Ferri-UFS



Automotive

## SSD Controllers

### PCIe NVMe Mainstream

- SM2263XT-AT / SM2268XT-AT

### PCIe NVMe SR-IOV

- SM2264XT-AT

## Single-chip Storage Solutions

- FerriSSD / Ferri-eMMC / Ferri-UFS



Datacenter

## SSD Controllers



### PCIe NVMe

- MonTitan™ with SM8366
- SM8266

### SATA

- SM2271

## SSD Solutions

- FerriSSD Solutions
- Shannon NVMe Solutions



# Our Worldwide Top Tier Customers & Market Play

美团 meituan.com 搜狐 SOHU.com 百度 Baidu 阿里巴巴集团 Alibaba Group

SUPERMICR hp DELL amazon

Lexar longsys

lenovo LITEON

crucial TECHNOLOGY A Division of Micron ADATA Love-Life-Dreams 头条

Angelbird BiWIN tigo 金泰克

Kingston TECHNOLOGY RAMOS 七彩虹

Transcend PNY

TECLAST 爱国者 ATP SCY

vivo oppo Microsoft

htc innodisk Union Memory n1

TCL coolpad ASUS MEIZU ZTE



AVANT

Netac

NEC

SHARP

@value

Panasonic

HITACHI



Enterprise



Data Center



PC OEM



Storage Module Makers

SAMSUNG

SOLIDIGM

Micron



SiliconMotion

KIOXIA

Western Digital

SK hynix



Consumer Electronics



Mobile



Automotive



Industrial

NIHON KOHDEN SIEMENS

G SMART Modular Technologies viking TECHNOLOGY

XBOX Virtium ADVANTECH

ADLINK swissbit

KINGMAX Apacer ShineDisk

KONICA MINOLTA

RENESAS Unigen

HARMAN TESLA

TRANSSION 传音控股 德赛西威 DESAY SV AUTOMOTIVE FUJI XEROX

acer mindray CHANGXING

LG MITSUBISHI ELECTRIC SONY





# Thank You !

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