

All for your values

**Maximus Technology Co., Ltd**  
**Company Profile**  
**2013.07.12**



Visit us at [www.maximustek.com/en](http://www.maximustek.com/en)

# Overview



Monthly capacity more than  
10,000pcs



Wide applications of Maximus SSD  
products



Complete SSD product line

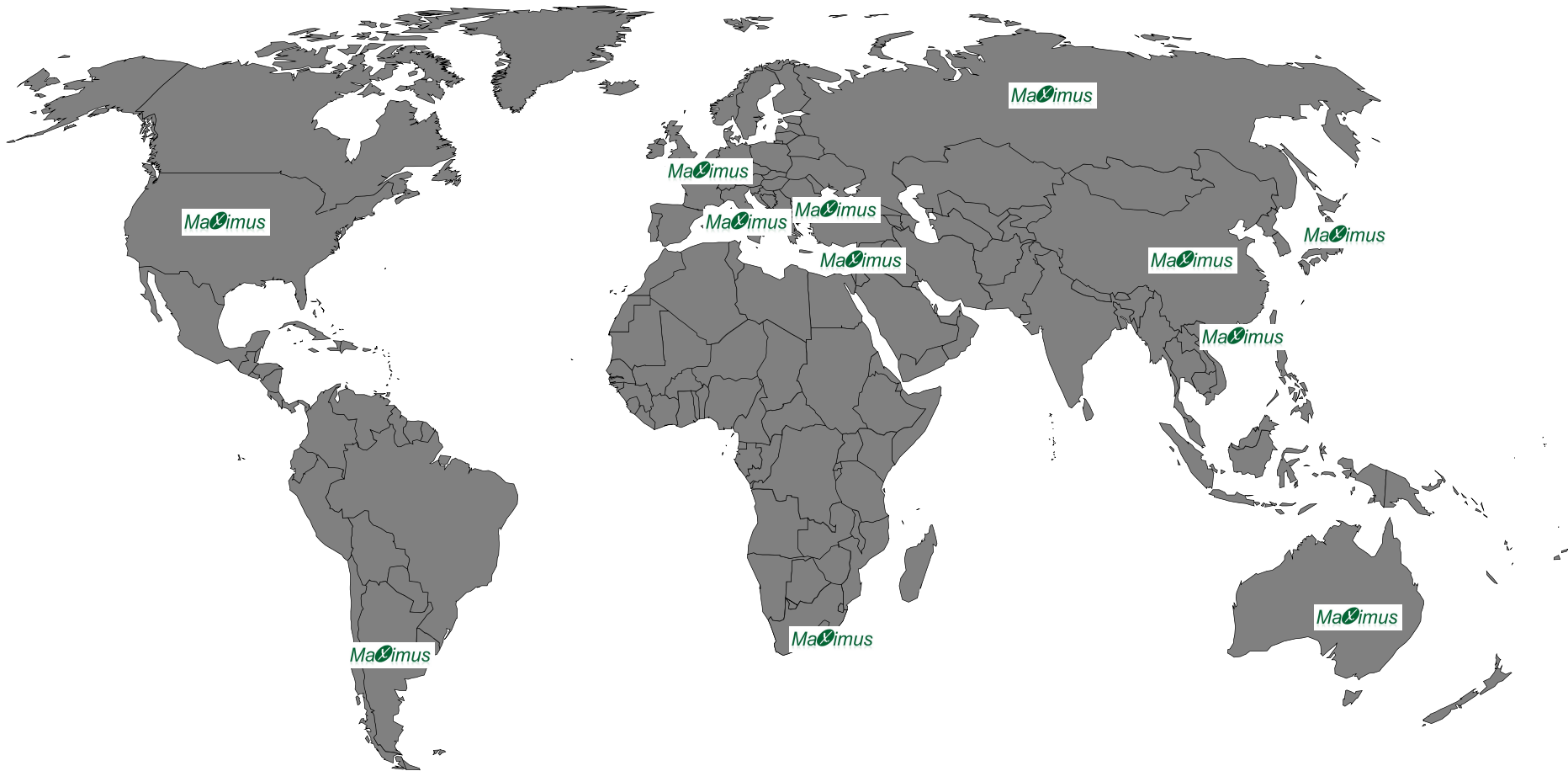


# Introduction

Maximus Technology is an innovated high-tech company aiming at providing global customers with advanced flash storage solutions. Headquartered in Taipei city, Taiwan, Maximus Technology is highly experienced in solid state drive area, and has successfully developed and manufactured a series of advanced Solid State Drive products with excellent reliability and performance to meet the global markets. With proprietary technologies and perfect service systems, Maximus is dedicated to offer partners professional solutions and consumer cares. Maximus values customers' values and always puts customer needs in first place. With strong resources and technologies, the series of Industrial and Military SSDs that Maximus produces can pass wide temperature testing, supporting Power Failure Protect and Over Load Protect. According to customers' applications, military SSDs with conformal coating and Secure Erase function is also available. Maximus SSDs can be applied to a wide are such as military equipments, enterprise servers and industrial systems. As a company which is ready to accelerate and push the digital world, Maximus deserves to be your right choice as a long term partner.



# Development Situation



MaQimus

Distributors or OEM partners

MaQimus

# Products

## By Interfaces

2.5" SATAII  
2.5" SATAIII  
2.5" PATA  
2.8" PATA  
1.8" Micro SATA  
mSATA  
Half Slim  
USB2.0/3.0  
SATA DOM  
PATA DOM  
USB DOM  
1.8" ZIF  
CF Card  
Cfast  
Micro/SD Card  
SCSI

## By Applications



Military Series



Industrial Series



Enterprise Series



Consumer Series

**Maximus**

# Military Series



Maximus Military 2.5 SATAII

Capacity: 1GB~512GB(SLC),1GB-2TB(MLC)

Flash: NAND SLC/MLC

Temperature range: 0~+70°C / -40~+85°C/-  
20~+70°C

Support: Power Failure Protect, Over Load  
Protect, ECC

With Built-In UPS to keep the data  
safety(Optional)

**Secure Erase Function(Optional)**

**Physical Destruction Function(Optional)**

Recommended application: Tanks,  
Surveillance, tactical computer, Air Craft etc.



# Military Series



Maximus Military 2.5 PATA

Capacity: 1GB~512GB

Flash: NAND SLC/MLC

Temperature range: 0~+70°C / -40~+85°C

Support: Power Failure Protect, Over Load Protect, ECC

**With Built-In UPS to keep the data safety(Optional)**

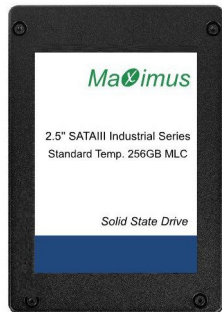
**Secure Erase Function(Optional)**

Recommended application:Tanks,

Surveillance, tactical computer, Air Craft etc.

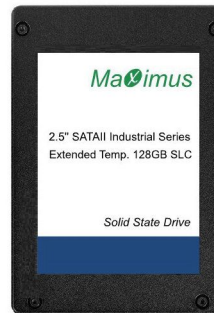
# Industrial Series

- 2.5" Series



Industrial 2.5 SATAIII

Capacity: 1GB~2TB  
Flash: NAND MLC/NAND SLC  
Temperature range: 0~+70°C / -40~+85°C  
Support: Power Failure Protect, Over Load Protect, ECC  
Built-In UPS(Optional)  
Secure Erase Function(Optional)



Industrial 2.5 SATAII

Capacity: 1GB~2TB  
Flash: NAND MLC/SLC  
Temperature range: 0~+70°C / -40~+85°C  
Support: Power Failure Protect, Over Load Protect, ECC  
Built-In UPS(Optional)  
Secure Erase Function(Optional)



Industrial 2.5 PATA

Capacity: 1GB~512GB  
Flash: NAND MLC/SLC  
Temperature range: 0~+70°C / -40~+85°C  
Support: Power Failure Protect, Over Load Protect, ECC  
Built-In UPS(Optional)  
Secure Erase Function(Optional)



- 1.8" Series



Industrial 1.8 SATA

Capacity: 1GB~512GB  
Temperature range: 0~+70°C / -40~+85°C  
Flash: NAND MLC/SLC  
Support: Power Failure Protect, Over Load Protect, ECC



Industrial 1.8 PATA

Capacity: 1GB~128GB  
Temperature range: 0~+70°C / -40~+85°C  
Flash: NAND MLC/SLC  
Support: Power Failure Protect, Over Load Protect, ECC

- Disk on Module



7PIN SATA DOM  
 Flash: NAND MLC/SLC  
 Capacity: 1GB~64GB  
 Temperature: 0~+70°C / -40~+85°C  
 Feature: Small size, Low Consumption, Noise-Free etc.  
 Type: Horizontal/Vertical for selection



40PIN PATA DOM  
 Flash: NAND MLC/SLC  
 Capacity: 1GB~64GB  
 Temperature: 0~+70°C / -40~+85°C  
 Feature: Small size, Low Consumption, Noise-Free, with hook.



44PIN PATA DOM  
 Flash: NAND MLC/SLC  
 Capacity: 1GB~64GB  
 Temperature: 0~+70°C / -40~+85°C  
 Feature: Small size, Low Consumption, Noise-Free, with hook.



USB DOM  
 Flash: NAND MLC/SLC  
 Capacity: 1GB~64GB  
 Temperature: 0~+70°C / -40~+85°C  
 Feature: Small size, Low Consumption, Noise-Free, USB2.0 interface.



Industrial 2.5 Half Slim  
Flash: NAND MLC/SLC  
Capacity: 8GB~128GB  
Temperature: 0~+70°C / -  
40~+85°C  
Feature: Small size, Low  
Consumption,Noise-Free etc.



Industrial Micro SD card  
Flash: NAND MLC/SLC  
Capacity: 1GB~32GB  
Temperature: 0~+70°C / -  
40~+85°C  
Feature: Small size, Low  
Consumption,Noise-Free etc.



Industrial CFast Card/CF  
Flash: NAND MLC/SLC  
Capacity: 4GB~64GB  
Temperature: 0~+70°C / -  
40~+85°C  
Feature: Small size, Low  
Consumption,Noise-Free etc.



Industrial mSATA  
Flash: NAND MLC/SLC  
Capacity: 8GB~256GB  
Temperature: 0~+70°C / -  
40~+85°C  
Feature: Small size, Low  
Consumption,Noise-Free etc.

# Enterprise Series

- 2.5" series



Enterprise 2.5 SATAIII

Capacity: 16GB~2TB

Flash: NAND MLC

Temperature range: 0~+70°C

Support: Power Failure Protect, Over Load Protect, ECC

Built-In UPS(Optional)

**Feature: High IOPS up to 80,000**

**High Stability, Low RMA rate;**

Recommended application: Enterprise Server, Bank Server, ATM, System Update, Surveillance, Video Recording etc.

- PCI-e



Enterprise PCI Express Card

Interface: PCI Express 2.0x8

Capacity: 128GB~2TB

Flash: NAND MLC(SLC optional)

Temperature range: 0~+70°C

Support: Power Failure Protect, Over Load Protect, ECC

**Feature: High IOPS up to 420,000, R/W**

**Speed up to 3,000MB/s,**

**High Stability, Low RMA rate, AES-128 Bit Encryption;**

Recommended application: Premium Server, Enterprise Server, Bank Server, Reliable Data Storage etc.

- 1.8 ZIF



Consumer 1.8 ZIF

Capacity: 32GB~128GB

Flash: NAND MLC

Temperature range: 0~+70°C

Support: Power Failure Protect, Over Load Protect, ECC, High performance, Anti-shock, Noise-Free and Heat-Free

Recommended application: Personal Computer, Desktop, Surveillance, Monitoring Systems etc.

# Consumer Series

- 2.5" series



Consumer 2.5 SATAIII

Capacity: 32GB~1TB

Flash: NAND MLC

Temperature range: 0~+70°C

Support: Power Failure Protect, Over Load Protect, ECC, High performance, Anti-shock, Noise-Free and Heat-Free

Recommended application: Personal Computer, Desktop, Surveillance, Monitoring Systems etc.

## Consumer types



Consumer mSATA2.0/3.0  
Flash: NAND MLC  
Interface: Mini-PCIe  
Capacity: 8GB~256GB  
Temperature: 0~+70°C  
Feature: Small size, Low  
Consumption,Noise-Free etc.



Consumer 2.5 Half Slim  
Flash: NAND MLC  
Interface: Standard SATA  
Capacity: 8GB~128GB  
Temperature: 0~+70°C  
Feature: Small size, Low  
Consumption,Noise-Free etc.



Consumer Mobile USB Drive  
Flash: NAND MLC  
Interface: Micro USB+USB2.0  
Capacity: 4GB~64GB  
Temperature: 0~+70°C  
Feature: Small size, Low  
Consumption,Noise-Free  
Write protect  
function,connect Smartphone  
directly with Micro USB  
interface and easy to  
exchange files and data etc.



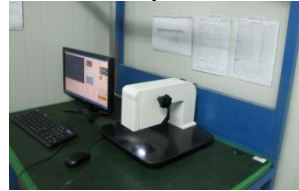
# Advanced Manufacturing



SMT Mass Production



AOI Inspection



Solder paste height inspector



X-ray inspector



Infrared tester



Centralized production console

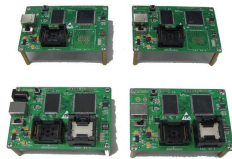


Automatic testing and sorting

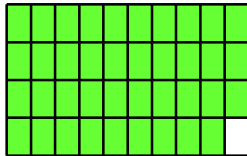


High/low temperature test chambers

# Quality Control



Proprietary automatic Flash sorting devices with high accuracy and efficiency



Every Die, block, page, and bit-cell is tested and quality-assured according to Flash manufacturer's specification



Strict test to every piece before delivery makes Maximus a low RMA rate, Military<1.5‰, Industrial&Enterprise<2.71‰, and Consumer<3.94‰

# Our Partners



All for your values

**Your Best Partner!**  
**[www.maximustek.com/en](http://www.maximustek.com/en)**

**Ma*x*imus**

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