



Rahonix

Rare. Hope. Nice

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About Rahonix:

Shenzhen Rahonix Technology Co., Ltd. was established in 2018. Rahonix is a supplier of custom storage solutions, specializing in R&D, production and sell of SSD&RAM, which was founded by independent leaders with a combined experience of more than 10 decades in the working field. We aspire to become the leading brand in the area of storage.

The core members of Rahonix's team all come from the storage industry and have been deeply involved. After several years of continuous efforts, we have rooted ourselves in the domestic market and actively explored the global market, cooperated with global customers, and received unanimous praise. All products have obtained certifications such as CE, FCC, RoHS, REACH, etc. We have complete set of OEM&ODM design solutions and a stable and comprehensive supply chain.





Professional R&D

Professional hardware design and software development to meet the needs of different projects.



Ultimate Quality

Dedicated personnel are responsible for conducting detailed and comprehensive inspections of incoming materials, production, and shipments

ADVANTAGES



Unique Design

Provide timely and one-on-one OEM&ODM designs that meet customer requirements



7x24h Service

Timely and comprehensive pre-sales, in-sales, and after-sales services

Rahonix®

Consumer SSD



Rahonix®

Brand manufacturer
focusing on storage

2.5"
SATA
⋮



2.5" SATAIII SSD



Model	RS-XXX
Interface	SATA III
NAND Flash	3D NAND
Form Factor	2.5 Inches SATA
Input Voltage	DC 5V
Capacity Option	128GB/256GB/512GB/1TB/2TB/4TB
Sequential Read	450~580MB/s
Sequential Write	250~570MB/s
MTBF	1 Million Hours
TBW	60TB/120TB/240TB/480TB/960/1920TB
Dimensions	L100.4mm*W70mm*H7mm
Warranty	3 Years
Storage Temp.	-20°C~ +75°C
Operating Temp.	0°C~+70°C

Efficient mSATA SSD

Featuring a compact mSATA form factor, it easily plugs into desktops and laptops, matching the diversity of motherboards.



*save what you want, save what you love

mSATA SSD



Model	RM-XXX
Interface	SATA III 6 Gbps
NAND Flash	3D NAND
Form Factor	mSATA 52pin
Input Voltage	DC 3.3V±5%
Capacity Option	64GB/128GB/256GB/512GB/1TB/2TB
Sequential Read	300~580MB/s
Sequential Write	150~560MB/s
MTBF	1 Million Hours
TBW	30TB/60TB/120TB/240TB/480TB/960TB
Dimensions	L50.95mm * W30.0mm * H3.5mm
Warranty	3 Years
Storage Temp.	-20°C~ +75°C
Operating Temp.	0°C~+70°C

Work / Game / Entertainment
Enjoy Yourself



M.2 SATA 2242 SSD



Model	RN-XXX 2242
Interface	SATA Rev.3.2(6Gb/s)
NAND Flash	3D NAND
Form Factor	M.2 SATA
Input Voltage	DC 3.3V
Capacity Option	128GB/256GB/512GB/1TB/2TB
Sequential Read	450~580MB/s
Sequential Write	400~550MB/s
MTBF	1 Million Hours
TBW	60TB/120TB/240TB/480TB/960TB
Dimensions	L42.0mm * W22.0mm * H3.5mm
Warranty	3 Years
Storage Temp.	-20°C~ +75°C
Operating Temp.	0°C~+70°C

Upgrades And Replacements, Insufficient Storage?

4TB high capacity, strongly launched

4TB



M.2 SATA 2280 SSD



Model	RN-XXX 2280
Interface	SATA Rev.3.2(6Gb/s)
NAND Flash	3D NAND
Form Factor	M.2 SATA
Input Voltage	DC 3.3V
Capacity Option	128GB/256GB/512GB/1TB/2TB/4TB
Sequential Read	450~580MB/s
Sequential Write	400~550MB/s
MTBF	1 Million Hours
TBW	60TB/120TB/240TB/480TB/960/1920TB
Dimensions	L80.0mm * W22.0mm * H2.1mm
Warranty	3 Years
Storage Temp.	-20°C~ +75°C
Operating Temp.	0°C~+70°C



M.2 NVMe 2230 SSD

M.2 NVMe PCIe Gen3X4 SSD



Length and Width
22*30mm

Capacity
256GB-1TB

Range of Application
**Steam Deck
Microsoft Surface**

Model	XP3000-XXX 2230
Interface	PCIe Gen3 x 4, NVME 1.3
NAND Flash	3D NAND
ECC	4K LDPC
Input Voltage	DC 3.3V
Capacity Option	256GB/512GB/1TB
Sequential Read	2300~3500MB/s
Sequential Write	1000~2500MB/s
MTBF	1 Million Hours
TBW	250TB/500TB/1000TB
Dimensions	L30.0mm*W22.0mm*H2.1mm
Warranty	3 Years
Storage Temp.	-20°C~ +75°C
Operating Temp.	0°C~+70°C



M.2 NVMe 2242 SSD

Powerful Compatibility

Windows 7, Windows 10, Windows 11, Ubuntu, Linux



Notebook



Desktop



All in One PC



Windows



Unix



Linux

Model	XP3000-XXX 2242
Interface	NVME 1.3
NAND Flash	3D NAND
Form Factor	M.2 M Key,PCIe Gen3 x4
Input Voltage	DC 3.3V
Capacity Option	128GB/256GB/512GB/1TB/2TB
Sequential Read	1600-3500MB/s
Sequential Write	600-3200MB/s
MTBF	1 Million Hours
TBW	60TB/120TB/240TB/480TB/960TB
Dimensions	L42.0mm * W22.0mm * H3.5mm
Warranty	3 Years
Storage Temp.	-20°C~ +75°C
Operating Temp.	0°C~+70°C



M.2 NVMe 2242 SSD

Rahonix®



Gen4.0x4



3D NAND



5000MB/s

Model	XP5000-XXX 2242
Interface	PCIe Gen 4x4
NAND Flash	3D NAND
Form Factor	M.2 NVMe M Key
Input Voltage	DC 3.3V
Capacity Option	256GB/512GB/1TB/2TB
Sequential Read	4400-5000MB/s
Sequential Write	1300-4400MB/s
MTBF	1 Million Hours
TBW	300TB/600TB/1200TB/2400TB
Dimensions	L42.0mm * W22.0mm * H2.1mm
Warranty	3 Years
Storage Temp.	-20°C~ +75°C
Operating Temp.	0°C~+70°C



XP7000 SPEED SHOW

Strong Performance Visible

512GB

1TB

2TB

	512GB		1TB		2TB	
	Read (MB/s)	Write (MB/s)	Read (MB/s)	Write (MB/s)	Read (MB/s)	Write (MB/s)
SEQ1M QFT1	7226.85	4477.07	7496.38	6640.01	7435.95	6686.02
SEQ1M QTT1	5250.02	4492.44	5260.76	5813.97	5266.55	5764.53
RND4K Q32T16	3602.99	2980.05	3846.01	3101.60	3874.16	3163.76
RND4K QTT1	83.49	243.78	84.07	244.26	84.29	244.79



M.2 NVMe 2242 SSD

Model	XP7000-XXX 2242
Interface	PCIe Gen 4x4
NAND Flash	3D NAND
Form Factor	M.2 NVMe M Key
Input Voltage	DC 3.3V
Capacity Option	512GB/1TB/2TB
Sequential Read	7000-7400MB/s
Sequential Write	4200-6600MB/s
MTBF	1 Million Hours
TBW	300TB/600TB/1200TB
Dimensions	L42.0mm * W22.0mm * H2.1mm
Warranty	3 Years
Storage Temp.	-20°C~ +75°C
Operating Temp.	0°C~+70°C



M.2 NVMe 2280 SSD

NVMe Gen 3x4 SSD

Faster boot times and quicker application launches



Up to
3500MB/s
Read Speed

Up to
3200MB/s
Write Speed

Model	XP3000-XXX 2280
Interface	NVME Rev.1.3
NAND Flash	3D NAND
Form Factor	M.2, PCI-e Gen3 x4
Input Voltage	DC 3.3V
Capacity Option	128GB/256GB/512GB/1TB/2TB
Sequential Read	1600~3500MB/s
Sequential Write	600~3200MB/s
MTBF	1 Million Hours
TBW	125TB/250TB/500TB/1000TB/2000TB
Dimensions	L80.0mm*W22.0mm*H2.1mm
Warranty	3 years
Storage Temp.	-20°C~ +75°C
Operating Temp.	0°C~+70°C



M.2 NVMe 2280 SSD



Model	XP5000-XXX 2280
Interface	NVMe 1.4
NAND Flash	3D NAND
Form Factor	M.2, PCI-e Gen4 x4
Input Voltage	DC 3.3V
Capacity Option	256GB/512GB/1TB/2TB/4TB
Sequential Read	4400-5000MB/s
Sequential Write	1300-4500MB/s
MTBF	1 Million Hours
TBW	300TB/600TB/1200TB/2400TB/4800TB
Dimensions	L80mm*W22mm*H2.1mm
Warranty	3 years
Storage Temp.	-20°C~ +75°C
Operating Temp.	0°C~+70°C



M.2 NVMe 2280 SSD

Rahonix®

7400MB/S

Extreme speed experience
Born specifically for E-sports



Model	XP7000-XXX 2280
Interface	PCIe Gen 4x4
NAND Flash	3D NAND
Form Factor	M.2 NVMe M Key
Input Voltage	DC 3.3V
Capacity Option	512GB/1TB/2TB/4TB
Sequential Read	7200-7400MB/s
Sequential Write	4400-6600MB/s
MTBF	1 Million Hours
TBW	300TB/600TB/1200TB/2400TB
Dimensions	L80mm*W22mm*H2.1mm
Warranty	3 years
Storage Temp.	-20°C~ +75°C
Operating Temp.	0°C~+70°C

Rahonix®

Industrial SSD



2.5" SATA



Features:

- Interface: SATA3.0 (6Gb/s)
- Low-Density Parity-Check (LDPC) Code
- Global Wear Leveling
- Flash bad-block management
- Flash Translation Layer: Page Mapping
- Support S.M.A.R.T.
- Support TRIM
- Power Loose Protection PLP

Product Model	RSIE-XXX
Flash Type	MLC
Capacity	128GB~2TB
Sequential Read (MAX)	Up to 560MB/s
Sequential Write (MAX)	Up to 480MB/s
4K Random Read	65090 IOPS
4K Random Write	65200 IOPS
Operating Temperature	-20°C ~ 70°C, -40°C ~ 85°C
Storage Temperature	-55°C ~ +95°C
Humidity	5%-95% RH non-condensing
Shock	1500G/0.5ms
Vibration	80Hz~2000Hz/20G
Operating Voltage	DC 5V±5%
Power Consumption (MAX)	4.2W
Dimensions	L100.4mm*W70mm*H7.0mm ±0.15mm
MTBF	2 million hours

Applications:



Aerospace

Embedded

Server

Surveillance

2.5" SATA



Features:

- Interface: SATA3.0 (6Gb/s)
- Low-Density Parity-Check (LDPC) Code
- Global Wear Leveling
- Flash bad-block management
- Flash Translation Layer: Page Mapping
- Support S.M.A.R.T.
- Support TRIM
- Power Loose Protection PLP

Applications:



Aerospace

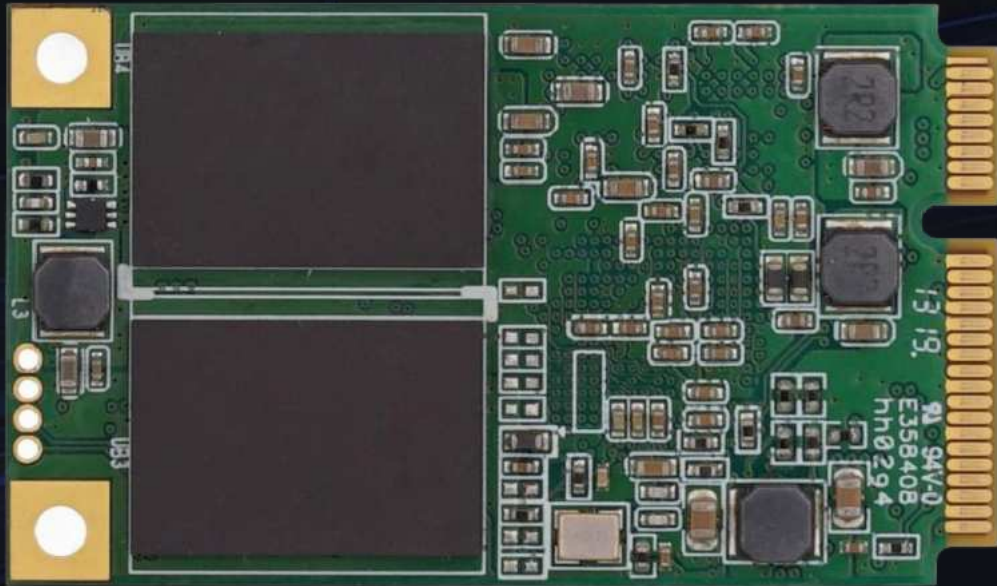
Embedded

Server

Surveillance

Product Model	RSIT-XXX
Flash Type	MLC
Capacity	8GB~256GB
Sequential Read (MAX)	Up to 500MB/s
Sequential Write (MAX)	Up to 250MB/s
4K Random Read	21700 IOPS
4K Random Write	21900 IOPS
Operating Temperature	-20°C ~ 70°C, -40°C ~ 85°C
Storage Temperature	-55°C ~ +95°C
Humidity	5%-95% RH non-condensing
Shock	1500G/0.5ms
Vibration	80Hz~2000Hz/20G
Operating Voltage	DC 5V±5%
Power Consumption (MAX)	2.0W
Dimensions	L100.4mm*W70mm*H7.0mm ±0.15mm
MTBF	2 million hours

mSATA

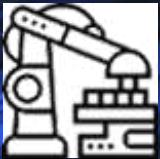


Features:

- Interface: SATA3.0 (6Gb/s)
- Low-Density Parity-Check (LDPC) Code
- Global Wear Leveling
- Flash bad-block management
- Flash Translation Layer: Page Mapping
- Support S.M.A.R.T.
- Support TRIM
- Power Loose Protection PLP

Product Model	RMIE-XXX
Flash Type	MLC
Capacity	128GB~1TB
Sequential Read (MAX)	Up to 560MB/s
Sequential Write (MAX)	Up to 480MB/s
4K Random Read	68000 IOPS
4K Random Write	72900 IOPS
Operating Temperature	-20°C ~ 70°C, -40°C ~ 85°C
Storage Temperature	-55°C ~ +95°C
Humidity	5%-95% RH non-condensing
Shock	1500G/0.5ms
Vibration	80Hz~2000Hz/20G
Operating Voltage	DC 3.3V±5%
Power Consumption (MAX)	2.37W
Dimensions	L50.95mm*W30.0mm*H3.5mm ±0.15mm
MTBF	2 million hours

Applications:



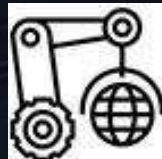
Lottery



Embedded

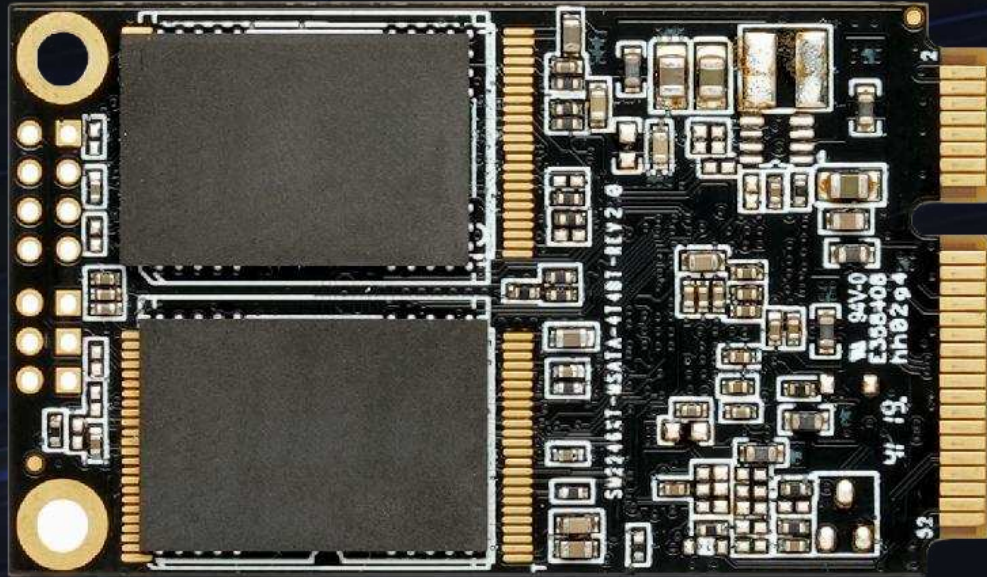


Medical



Automation

mSATA



Features:

- Interface: SATA3.0 (6Gb/s)
- Low-Density Parity-Check (LDPC) Code
- Global Wear Leveling
- Flash bad-block management
- Flash Translation Layer: Page Mapping
- Support S.M.A.R.T.
- Support TRIM
- Power Loose Protection PLP

Applications:



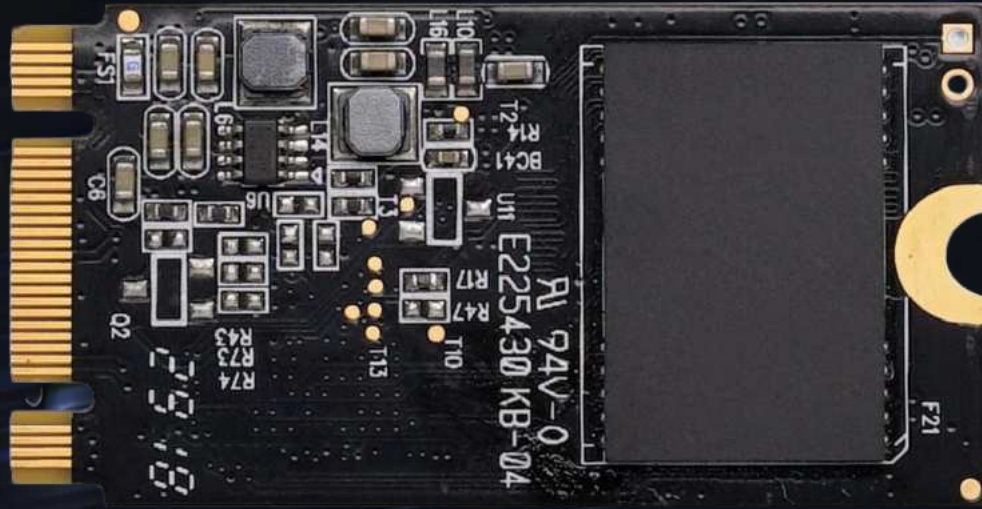
Aerospace Embedded

AIOT

Surveillance

Product Model	RMIT-XXX
Flash Type	MLC
Capacity	8GB~256GB
Sequential Read (MAX)	Up to 500MB/s
Sequential Write (MAX)	Up to 250MB/s
4K Random Read	21490 IOPS
4K Random Write	21750 IOPS
Operating Temperature	-20°C ~ 70°C, -40°C ~ 85°C
Storage Temperature	-55°C ~ +95°C
Humidity	5%-95% RH non-condensing
Shock	1500G/0.5ms
Vibration	80Hz~2000Hz/20G
Operating Voltage	DC 3.3V±5%
Power Consumption (MAX)	2.01W
Dimensions	L50.95mm*W30.0mm*H3.5mm ±0.15mm
MTBF	2 million hours

M.2 SATA 2242



Features:

- Interface: SATA3.0 (6Gb/s)
- Low-Density Parity-Check (LDPC) Code
- Global Wear Leveling
- Flash bad-block management
- Flash Translation Layer: Page Mapping
- Support S.M.A.R.T.
- Support TRIM
- Power Loose Protection PLP

Product Model	RNIT-XXX
Flash Type	MLC
Capacity	8GB~256GB
Sequential Read	Up to 500MB/s
Sequential Write	Up to 250MB/s
4K Random Read	21100 IOPS
4K Random Write	21300IOPS
Operating Temperature	-20°C ~ 70°C, -40°C ~ 85°C
Storage Temperature	-55°C ~ +95°C
Humidity	5%-95% RH non-condensing
Shock	1500G/0.5ms
Vibration	80Hz~2000Hz/20G
Operating Voltage	DC 3.3V±5%
Power Consumption (MAX)	2.15W
Dimensions	L42.0mm*W22.0mm*H3.5mm ±0.15mm
MTBF	2 million hours

Applications:



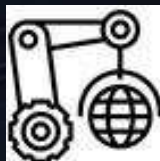
Lottery



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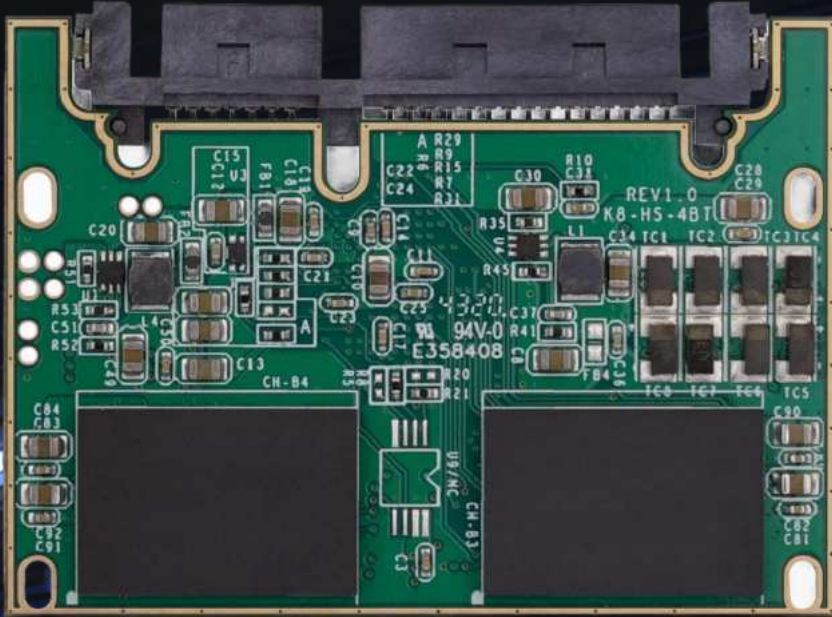


Vehicle



Automation

Half Slim



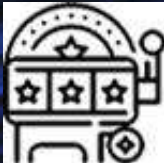
Features:

- Interface: SATA3.0 (6Gb/s)
- Low-Density Parity-Check (LDPC) Code
- Global Wear Leveling
- Flash bad-block management
- Flash Translation Layer: Page Mapping
- Support S.M.A.R.T.
- Support TRIM

Applications:



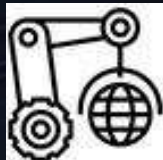
Lottery



Embedded



Vehicle



Automation

Product Model	RSHS-XXX
Flash Type	MLC
Capacity	8GB~256GB
Sequential Read	Up to 550MB/s
Sequential Write	Up to 300MB/s
4K Random Read	21700 IOPS
4K Random Write	22000 IOPS
Operating Temperature	-20°C ~ 70°C, -40°C ~ 85°C
Storage Temperature	-55°C ~ +95°C
Humidity	5%-95% RH non-condensing
Shock	1500G/0.5ms
Vibration	80Hz~2000Hz/20G
Operating Voltage	DC 5V±5%
Power Consumption (MAX)	2.06W
Dimensions	L54.0mm*W39.0mm*H4.5mm ±0.15mm
MTBF	2 million hours

SATA DOM



Features:

- Interface: SATA 7pin
- Low-Density Parity-Check (LDPC) Code
- Global Wear Leveling
- Flash bad-block management
- Flash Translation Layer: Page Mapping
- Support S.M.A.R.T.
- Support TRIM

Applications:



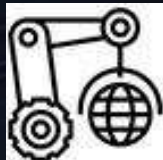
AIOT



Embedded



Medical



Automation

Product Model	RSSDH-XXX
Flash Type	SLC/MLC
Capacity	8GB-256GB
Sequential Read	Up to 300MB/s
Sequential Write	Up to 200MB/s
4K Random Read	15000 IOPS
4K Random Write	13300 IOPS
Operating Temperature	-20°C ~ 70°C, -40°C ~ 85°C
Storage Temperature	-55°C ~ +95°C
Humidity	5%-95% RH non-condensing
Shock	1500G/0.5ms
Vibration	80Hz~2000Hz/20G
Operating Voltage	DC 5V±5%
Power Consumption	1.5W
Dimensions	L39.5mm*W25mm*H9.3mm ±0.15mm
MTBF	2 million hours

Rahonix®

Memory RAM



DDR3



Application	Desktop
Model	DDR3/DDR3L
Capacity	2GB/4GB/8GB
Interface	240pin
Input Voltage	1.5V/1.35V
Frequency	1333/1600MHz
Packaging	Brand new
Timing sequence	11-11-11-28
Dimensions	L134mm*W30mm*H4mm
Warranty	3 years
Operating Temp.	0°C~+70°C
Storage Temp.	-20°C~+75°C



Application	Laptop
Model	DDR3/DDR3L
Capacity	2GB/4GB/8GB
Interface	204pin
Input Voltage	1.5V/1.35V
Frequency	1333/1600MHz
Packaging	Brand new
Timing sequence	11-11-11-28
Dimensions	L67mm*W30mm*H4mm
Warranty	3 years
Operating Temp.	0°C~+70°C
Storage Temp.	-20°C~+75°C



DDR4



Application	Desktop
Model	DDR4
Capacity	4GB/8GB/16GB/32GB
Interface	288pin
Input Voltage	1.2V
Frequency	2400/2666/3200/3600 MHz
Packaging	Brand new
Timing sequence	17-17-17-39
Dimensions	L134mm*W32mm*H4mm
Warranty	3 years
Operating Temp.	0°C~+70°C
Storage Temp.	-20°C~+75°C



Application	Laptop
Model	DDR4
Capacity	4GB/8GB/16GB/32GB
Interface	260pin
Input Voltage	1.2V
Frequency	2400/2666/3200/3600 MHz
Packaging	Brand new
Timing sequence	17-17-17-39
Dimensions	L70mm*W30mm*H4mm
Warranty	3 years
Operating Temp.	0°C~+70°C
Storage Temp.	-20°C~+75°C

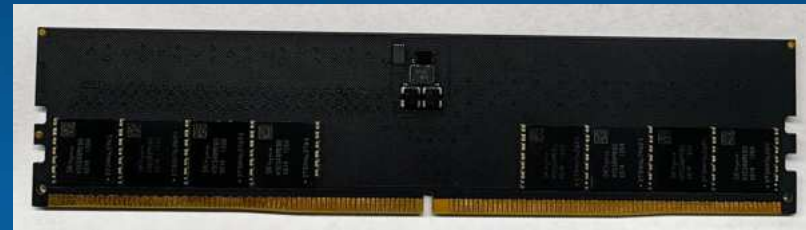


DDR5

For Laptop



For Desktop



Rahonix®

PC Accessories



SSD ENCLOSURE



USB DRIVE



CARD READER



HDD/SSD CONVERTER



Rahonix®

THANK YOU

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