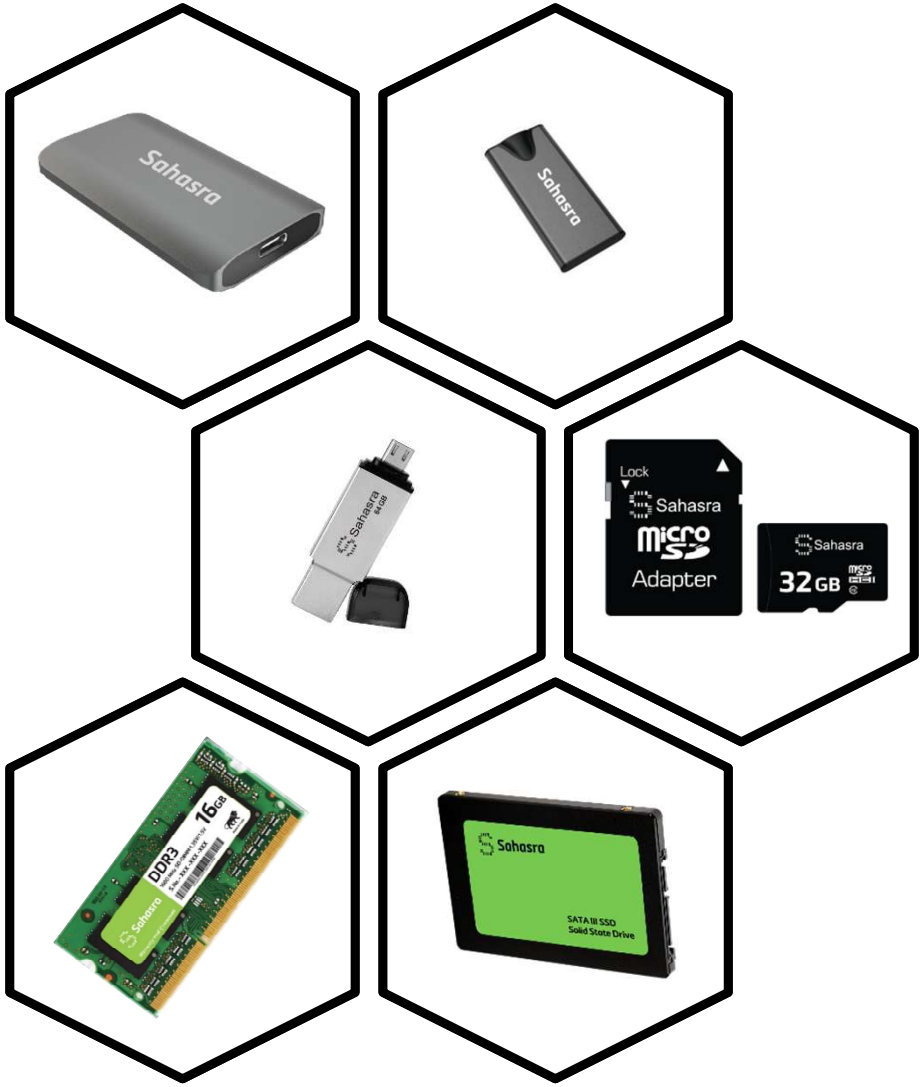
Sahasra

Sahasra

“High Performance Storage Solutions”



MAKE IN INDIA

www.sahasraelectronics.com

Highlights

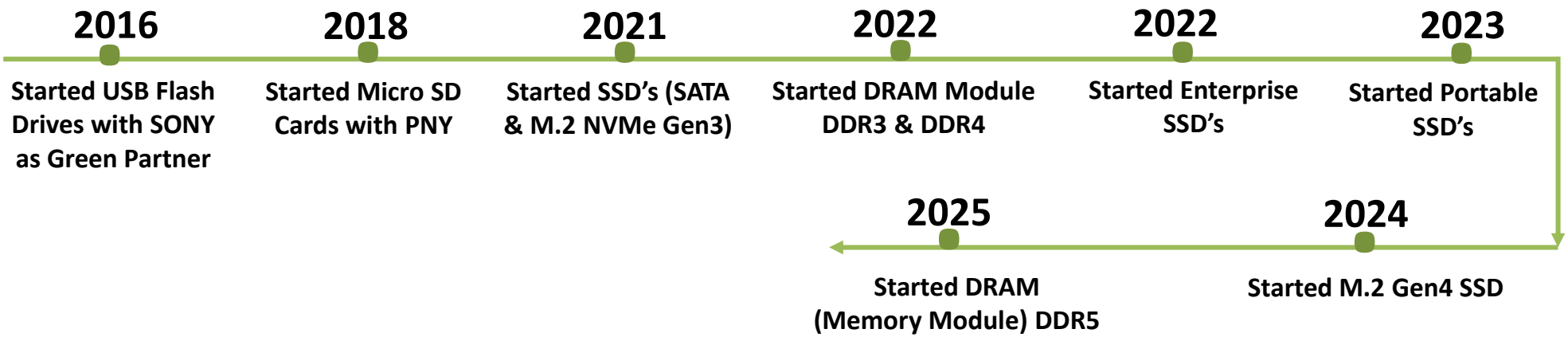
Sahasra

Sahasra focuses on NAND Flash & DRAM products as an Extended ODM in India by serving Made In India products around the Globe

100+ Dedicated Staff | **10+** R&D Team | **10+** Years of Exp.

15+ Mn Products Delivered | Exporting to **15+** Countries

Class1 Supplier for GeM | **5** Years Extended Warranty





www.sahasraelectronics.com

Monthly Capacity (Units)

Sahasra

USB Flash Drive: 500K | Micro SD Cards: 500K

Solid State Drives: 75K | DDR (Memory Module): 60K

- **One Shop Solution:** Capacities/Models/Applications, Class
- **Customization/OEM Solutions**: Content Loaded/Branding/Finger print

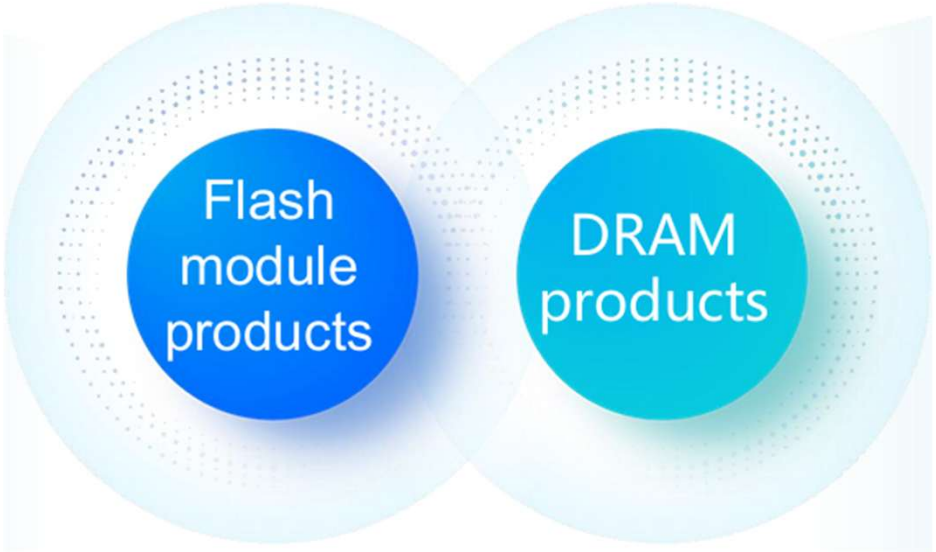


Memory & Storage Solutions

Sahasra

Solid State Drive (SSD's)

- 2.5Inch SATA SSD
- M.2 NVMe PCIe
- Portable SSD
- eSSD



DDR (Memory Module)

- DDR3
- DDR4
- DDR5

Removable Storage

- USB Flash Drives
- Micro SD Card

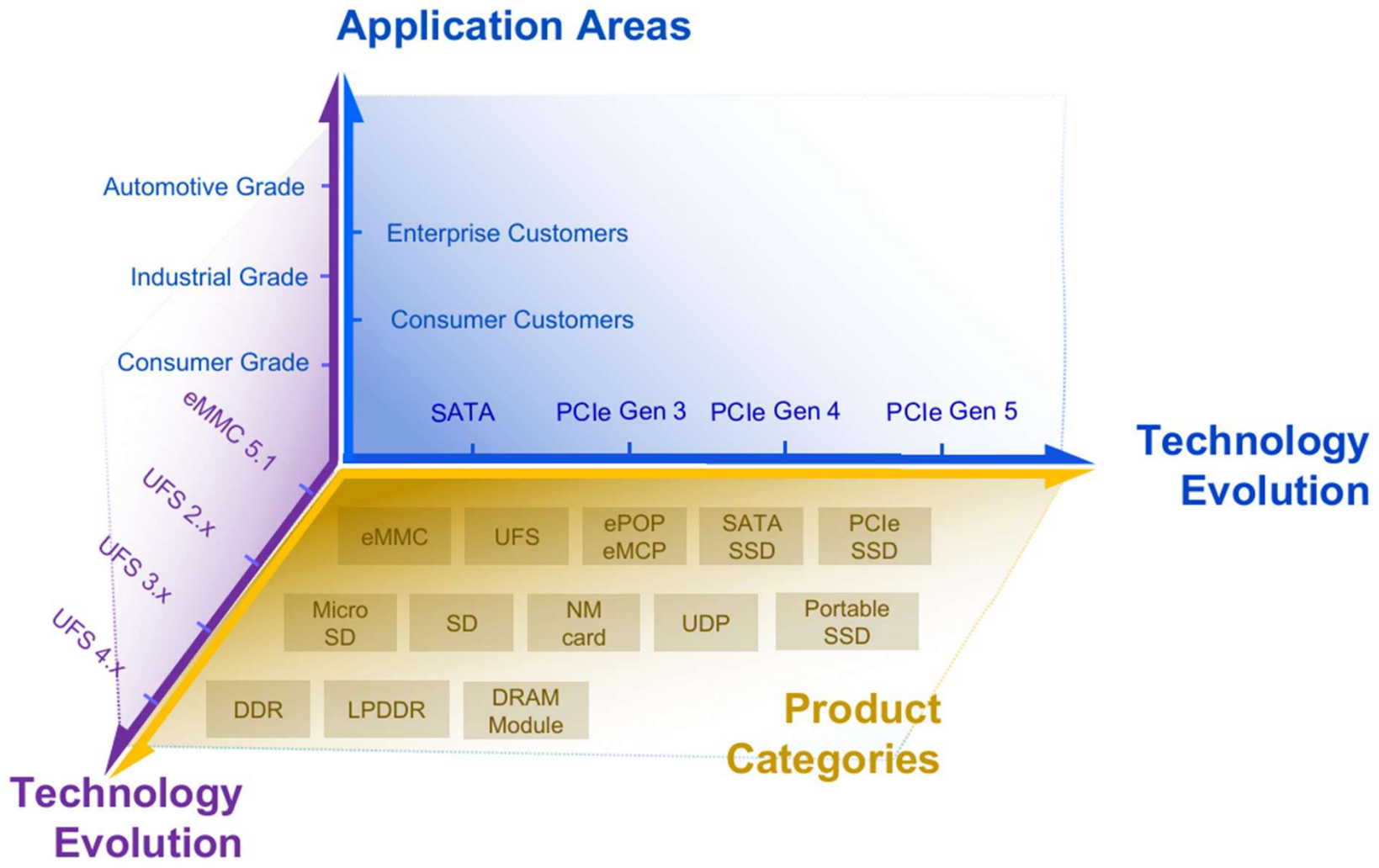
LPDDR (Upcoming)

- LPDDR4x
- LPDDR5x

MAKE IN INDIA

Future Strategic Planning

Sahasra



MAKE IN INDIA

Test and Certification's

Sahasra

- We are in compliance with RoHS-3 Directive (2015/863/EU) , REACH & CMRT
- We verify **ROHS & REACH** compliance upon incoming inspection as well as during Manufacturing
- PAH, SCCP & EMC Test
- EPR (Extended Producer Responsibility) Certified
- LMPC (Legal & Metrology Packaged Commodity) Certified
- All Applicable Products are BIS Certified (For India)
- We also have system in place to provide CMRT based on the customer requirement.



MAKE IN INDIA

Compliance/Memberships

- We Are Certified by **RBA (Responsible Business Alliance)**
- We are First **SD-3C LLC CLA** Licensee company for Micro SD Card Manufacturing in India
- Membership with **SD Association** to use All SD Trade Marks

External Storage Products

Sahasra

























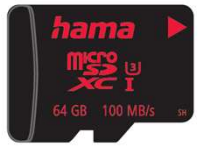














www.sahasraelectronics.com

Internal Memory & Storage Products

Sahasra





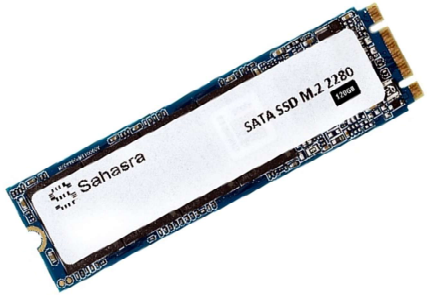


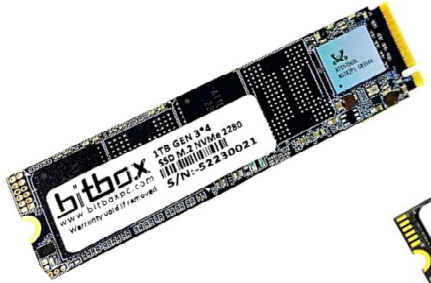
















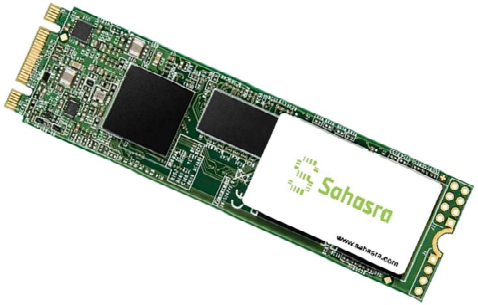


www.sahasraelectronics.com

Solid State Drive (SSD)

Sahasra

SATA III Internal







Product overview	M.2 SATA III
Capacity	128GB ~ 4TB
Form Factor	M.2 SATA III
Interface	M.2 SATA
Performance*	• Read up to 560Mbps • Write up to 510Mbps
High Endurance (MTBF)*	More than 2 million hrs.

Product overview	2.5” SATA III
Capacity	128GB ~ 4TB
Form Factor	2.5Inch SATA III
Interface	2.5Inch SATA
Performance*	• Read up to 560Mbps • Write up to 510Mbps
High Endurance (MTBF)*	More than 2 million hrs.

Product overview	mSATA
Capacity	128GB ~ 4TB
Form Factor	mSATA
Interface	mSATA
Performance*	• Read up to 560Mbps • Write up to 510Mbps
High Endurance (MTBF)*	More than 2 million hrs.

***Read and write speed, MTBF are under controlled test conditions at factory.**

MAKE IN INDIA

www.sahasraelectronics.com

Solid State Drive (SSD)

Sahasra

M.2 NVMe PCIe



Product overview	M.2 NVMe PCIe Gen4*4
Capacity	128GB ~ 4TB
Form Factor	M.2 NVMe 2280/2242/2230
Interface	M.2 PCIe
Performance*	• Read up to 7000Mbps • Write up to 5000Mbps
High Endurance (MTBF)*	More than 2 million hrs.



Product overview	M.2 NVMe PCIe Gen3*4
Capacity	128GB ~ 4TB
Form Factor	M.2 NVMe 2280/2242/2230
Interface	M.2 PCIe
Performance*	• Read up to 3500Mbps • Write up to 3000Mbps
High Endurance (MTBF)*	More than 2 million hrs.

*** Read and write speed, MTBF are under controlled test conditions at factory.**

MAKE IN INDIA

www.sahasraelectronics.com

Solid State Drive (SSD)

Sahasra

Portable SSD





Product overview	SSD USB 3.2 Gen 2 External
Capacity	128GB ~ 2TB
Form Factor	(L) 100 x (W) 39 x (H) 8.6 MM
Interface	USB 3.2 Gen 2, Type C
Performance*	• Read up to 2000Mbps • Write up to 1800Mbps
High Endurance (MTBF)*	More than 2 million hrs.

Product overview	SSD USB 3.2 Gen 2 External
Capacity	128GB ~ 2TB
Form Factor	(L) 100 x (W) 39 x (H) 8.6 MM
Interface	USB 3.2 Gen 2, Type C
Performance*	• Read up to 2000Mbps • Write up to 1800Mbps
High Endurance (MTBF)*	More than 2 million hrs.

*** Read and write speed, MTBF are under controlled test conditions at factory.**

MAKE IN INDIA

www.sahasraelectronics.com

Solid State Drive (SSD)

Sahasra



Enterprise Grade

Product overview	2.5 Inch SATA III Internal
Capacity	480GB ~ 1536GB
Form Factor	2.5 Inch SSD
Interface	SATA Gen III, SATA Revision 3.2
Flash Interface	Transfer Rate upto 533 MBPS
Performance*	• Read up to 550Mbps • Write up to 530Mbps
High Endurance (MTBF)*	More than 1.5 million hrs.
DWPD	0.6 to 3

*** Read and write speed, MTBF are under controlled test conditions at factory.**

MAKE IN INDIA

Memory Module: DDR RAM

Sahasra





Module	U-DIMM & SO-DIMM
Form Factor	Standard 1.23 Inch & 1.18 Inch
Memory Type	**DDR 3**
Standard	JEDEC
Interface	288 Pin & 260 Pin
Density	4GB – 32GB
Speed	1333/1600 MHz
Peak Transfer Rate	21800 MB/s
Power Supply	VDD & VDDQ= 1.35/1.5V
DRAM Activation Power Supply	VPP = 2.5V
DRAM Spec/VCC	DDR4 STD 1.35/1.5V
Operating Temperature	0 Deg. to 85 Deg.
Warranty	5 Years

Module	U-DIMM & SO-DIMM
Form Factor	Standard 1.23 Inch & 1.18 Inch
Memory Type	**DDR 4**
Standard	JEDEC
Interface	288 Pin & 260 Pin
Density	4GB – 32GB
Speed	2666 MHz/3200MHz
Peak Transfer Rate	21300MB/S
Power Supply	VDD & VDDQ= 1.2V
DRAM Activation Power Supply	VPP = 2.5V
DRAM Spec/VCC	DDR4 STD 1.2V
Operating Temperature	0 Deg. to 85 Deg.
Warranty	5 Years

MAKE IN INDIA

Memory Module: DDR RAM



Module	U-DIMM & SO-DIMM
Form Factor	Standard 1.23 Inch & 1.18 Inch
Memory Type	**DDR 5**
Standard	JEDEC
Interface	288 Pin & 260 Pin
Density	16GB – 32GB
Speed	4800MHz/5200MHz/5600MHz
Peak Transfer Rate	32000MB/S
Power Supply	VDD & VDDQ= 1.1V
DRAM Activation Power Supply	VPP = 2.5V
DRAM Spec/VCC	DDR5 STD 1.1V
Operating Temperature	0 Deg. to 85 Deg.
Warranty	5 Years

USB Flash Drive

USB 2.0 Flash Drive



Model: E Series

Capacity: 4GB ~ 128GB

Interface: USB 2.0

Color: Black (Plastic)



Model: M Series

Capacity: 4GB ~ 128GB

Interface: USB 2.0

Color: Silver Grey (Metal)

USB Flash Drive

USB 3.2 Flash Drive





Model: P Series

Capacity: 16GB ~ 256GB

Interface: USB 3.1

Colour: Silver Grey (Metal)

Compatibility: 4K

Model: CX Series

Capacity: 64GB ~ 256GB

Interface: USB 3.2

Colour: Silver Dark Grey (Metal)

Compatibility: 4K

Micro SD Card

Sahasra





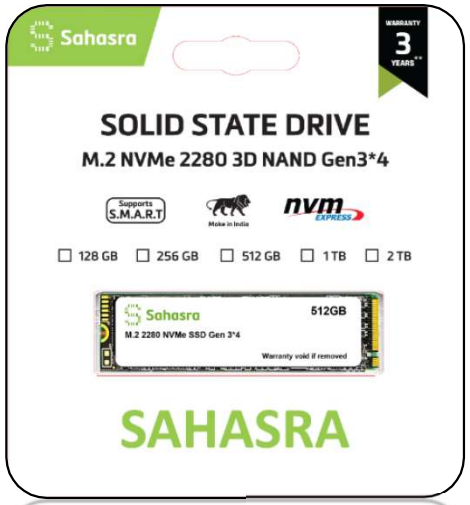
Class 10 Series
Capacity: 4GB ~ 512GB
Speed Class: Class 10
Bus Speed: UHS 1 U1 V10/U3 V30
Performance (R/W)*: 90/25Mbps & 150/40Mbps
Color: Black/Dual Color

MAKE IN INDIA

Standard Packaging Options

Sahasra















MAKE IN INDIA

www.sahasraelectronics.com

Sahasra



MAKE IN INDIA