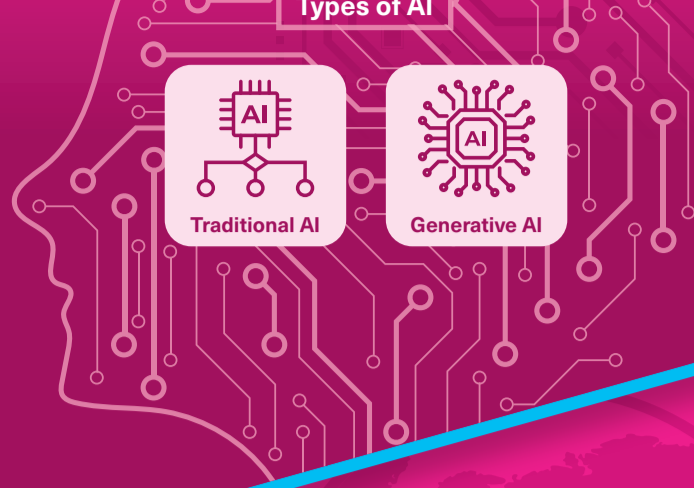


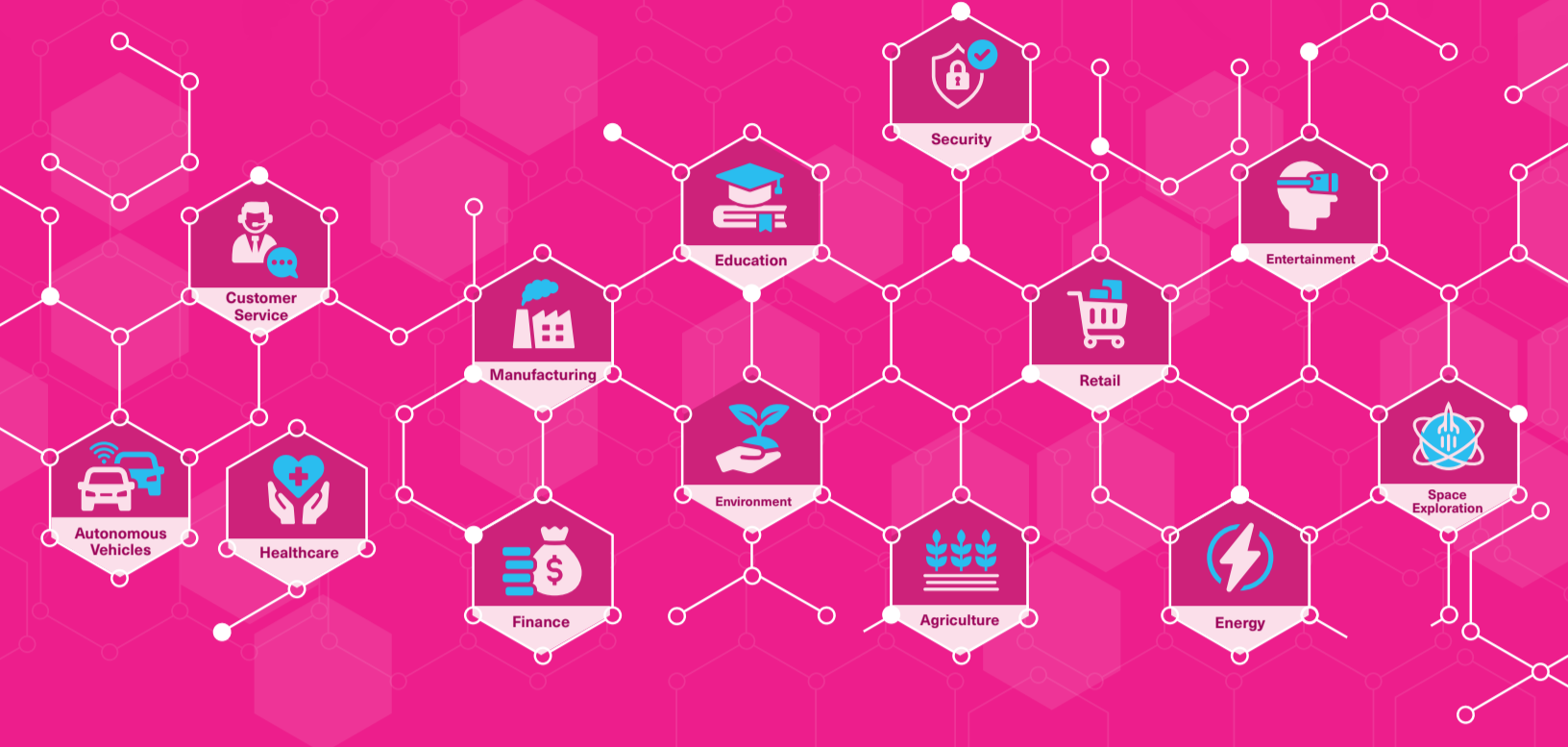
# KIOXIA + AI

## What is AI?

AI is technology that enables computer systems, using vast volumes of data, to perform tasks traditionally associated with human intelligence. Two prominent types are Traditional AI (respond to a set of inputs) and Generative AI (ability to create new data).

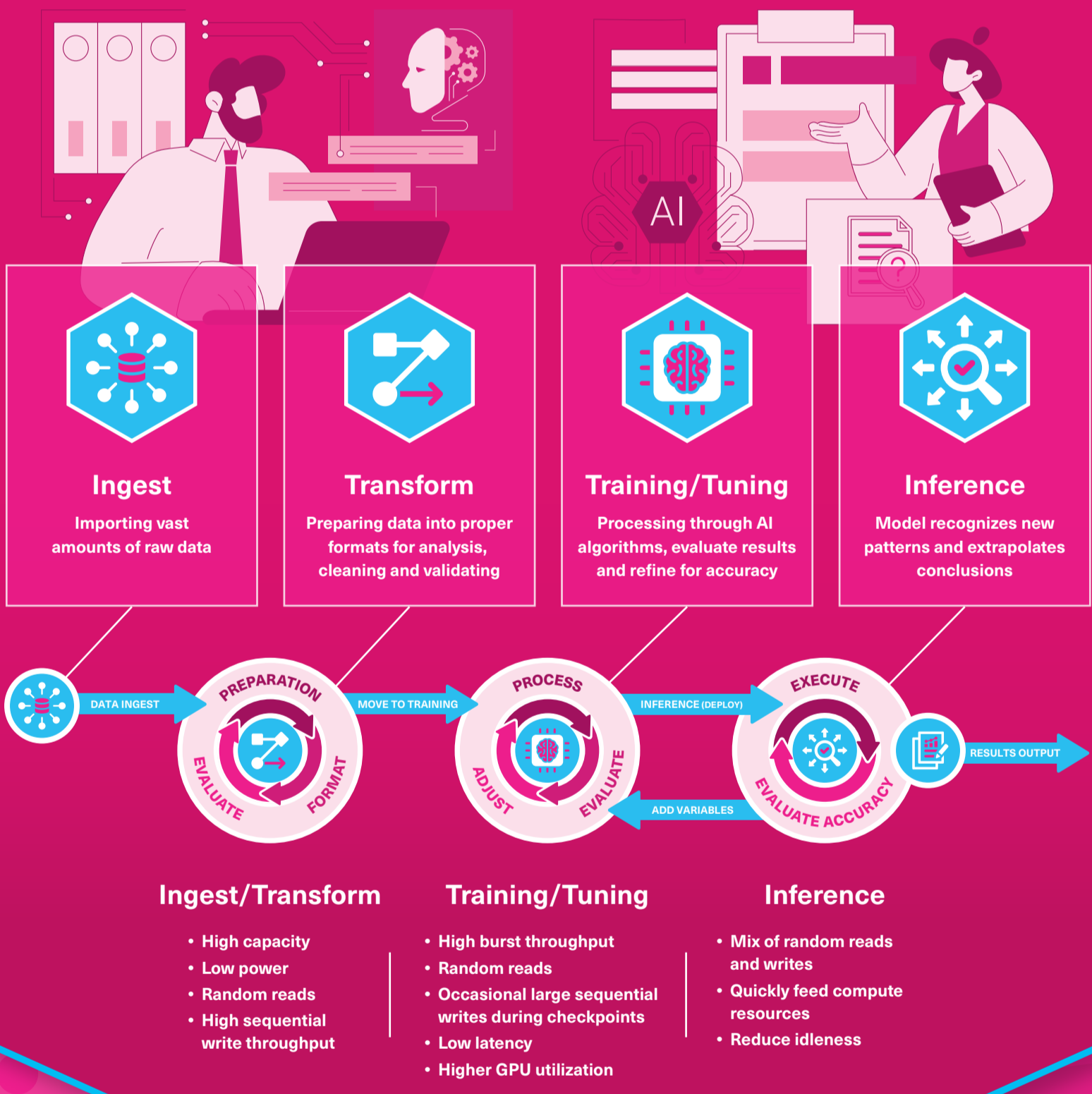
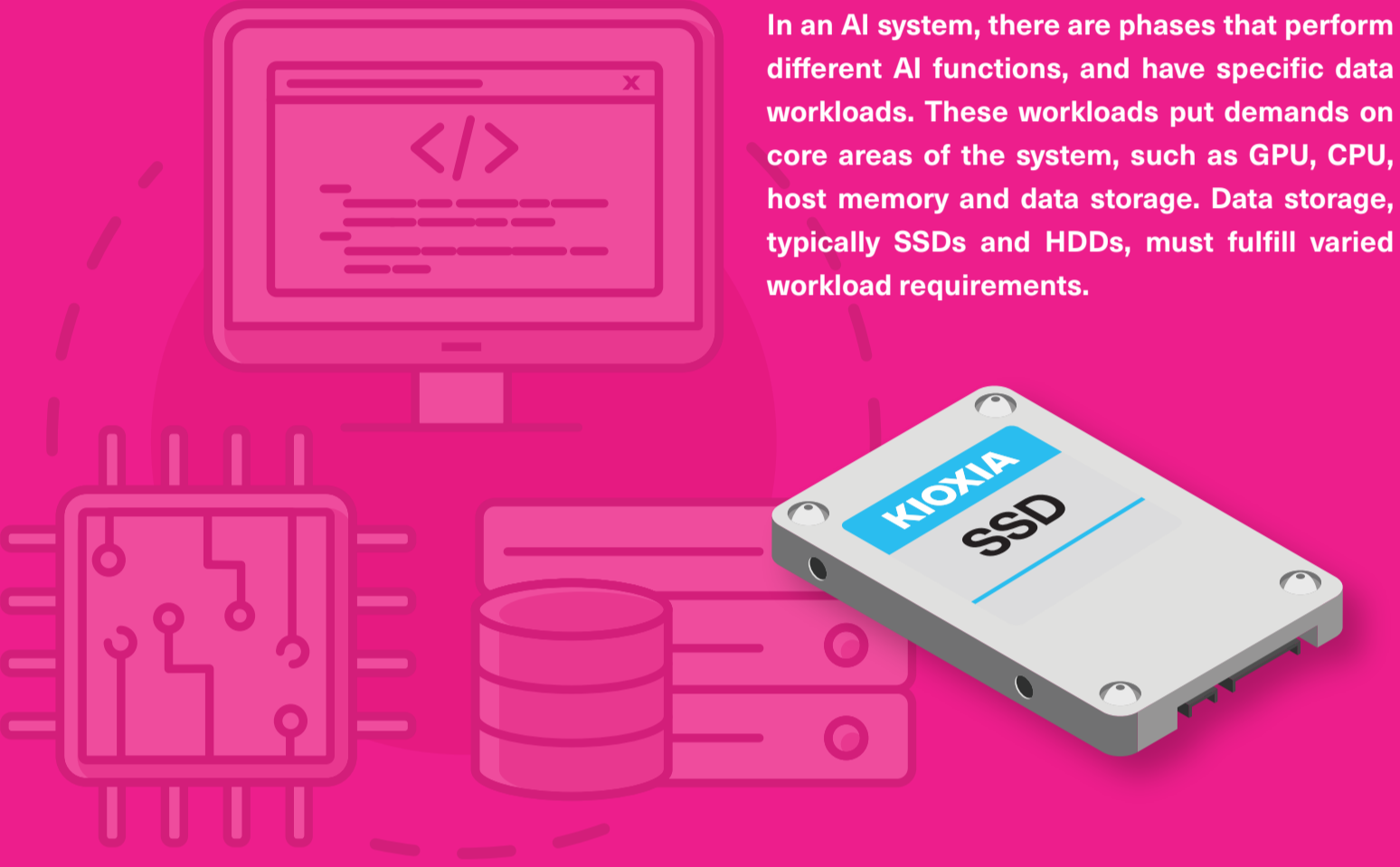


AI is **compute** and **data intensive**, and is poised to reshape our world and significantly benefit many industries and the environment.



## Phases of AI and Storage Workload Requirements

In an AI system, there are phases that perform different AI functions, and have specific data workloads. These workloads put demands on core areas of the system, such as GPU, CPU, host memory and data storage. Data storage, typically SSDs and HDDs, must fulfill varied workload requirements.



## Storage Requirements

## KIOXIA SSD Solutions for AI



KIOXIA SSDs	XD8 Series	CD8 Series	CD8P Series	CM7 Series	LC9 Series
<b>Key Features / Specifications</b>	<ul style="list-style-type: none"> <li>• PCIe® 5.0, NVMe™ 2.0</li> <li>• E1.S form factor</li> <li>• 1 DWPD endurance</li> <li>• Capacities up to 7.68 TB</li> </ul>	<ul style="list-style-type: none"> <li>• PCIe 4.0, NVMe 1.4</li> <li>• 2.5-inch form factor</li> <li>• 1, 3 DWPD endurance</li> <li>• Capacities up to 15.36 TB</li> </ul>	<ul style="list-style-type: none"> <li>• PCIe 5.0, NVMe 2.0</li> <li>• E3.S, 2.5-inch form factors</li> <li>• 1, 3 DWPD endurance</li> <li>• Capacities up to 30.72 TB</li> </ul>	<ul style="list-style-type: none"> <li>• PCIe 5.0, NVMe 2.0</li> <li>• Dual port</li> <li>• E3.S, 2.5-inch form factors</li> <li>• 1, 3 DWPD endurance</li> <li>• Capacities up to 30.72 TB</li> </ul>	<ul style="list-style-type: none"> <li>• PCIe 5.0, NVMe 2.0</li> <li>• Dual port</li> <li>• 2.5-inch form factor</li> <li>• 0.3 DWPD endurance</li> <li>• Capacities up to 122.88 TB</li> </ul>

See what KIOXIA SSD solutions are available for your application at [KIOXIA.com](https://www.kioxia.com)

**NOTES:**  
 Definition of capacity: KIOXIA Corporation defines a megabyte (MB) as 1,000,000 bytes, a gigabyte (GB) as 1,000,000,000 bytes and a terabyte (TB) as 1,000,000,000,000 bytes. A computer operating system, however, reports storage capacity using powers of 2 for the definition of 1GB = 2<sup>30</sup> bytes = 1,073,741,824 bytes and 1TB = 2<sup>40</sup> bytes = 1,099,511,627,776 bytes and therefore shows less storage capacity. Available storage capacity (including examples of various media files) will vary based on file size, formatting, settings, software and operating system, and/or pre-installed software applications, or media content. Actual formatted capacity may vary.

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