

Transcend Storage Solutions For AI Image Recognition



Transcend's embedded storage solutions are designed to revolutionize AI image recognition and processing, offering unparalleled speed and quality with their high-performance and large capacity. The inclusion of Direct Write functionality in both SSDs and memory cards ensures rapid write speeds while maintaining the integrity of high-resolution images. For top-tier data protection, Transcend provides [TCG Opal encryption](#), ensuring your critical information remains secure. Additionally, [Wide Temperature models \(-40°C to 85°C\)](#) are available, guaranteeing stable operation in even the most extreme environments.

More Features

- SLC Mode extends flash lifespan, highly durable for write-intensive equipment
- Host Memory Buffer (HMB) enhances random performance of DRAM-less SSDs
- Power Loss Protection(PLP) ensures data integrity during unstable power supply
- Scope Pro monitoring software tracks device usage, temperature, and health status in real time

- Features a fixed bill of materials (BOM) and embedded-grade product lifecycle management (PLM)

Target Applications

- AI Image Analysis
- Drone Surveillance
- 3D AOI Facilities
- Full Self Driving (FSD) Systems
- Enforcement Monitoring Equipment
- Image Data Centers

Recommended Products

Embedded SSDs

Interface/Form Factor	Product	Feature	Operating Temperatures
PCIe Gen 4x4 U.2 2.5"	 UTE210T	PLP	Extended Temperature (-20°C~75°C)
PCIe Gen 4x4 M.2 2280	 MTE720T	8-channel controller	Extended Temperature (-20°C~75°C)
PCIe Gen 4x4 M.2 2280	 MTE712A	TCG Opal	Extended Temperature (-20°C~75°C)*
PCIe Gen 4x4 M.2 2280	 MTE560P	PLP, SLC Mode	Wide Temperature (-40°C~85°C)

PCIe Gen 4x4
M.2 2280



[MTE760T](#)

HMB

Extended Temperature
(-20°C~75°C)*

PCIe Gen 4x4
M.2 2242



[MTE480T](#)

HMB

Extended Temperature
(-20°C~75°C)*

PCIe Gen 4x4
M.2 2230



[MTE380T](#)

HMB

Extended Temperature
(-20°C~75°C)*

SATA III 6Gb/s
2.5"



[SSD470N](#)

Direct Write

Extended Temperature
(-20°C~75°C)*

SATA III 6Gb/s
mSATA



[MSA470A](#)

TCG Opal

Extended Temperature
(-20°C~75°C)*

Embedded Memory Cards

Card Type	Product	Feature	Operating Temperature
SD	 SDC460T	Direct Write	Extended Temperature (-20°C~75°C)*
SD	 SDC240I	SLC Mode	Wide Temperature (-40°C~85°C)
microSD	 USD460T	Direct Write	Extended Temperature (-20°C~75°C)*
microSD	 USD240I	SLC Mode	Wide Temperature (-40°C~85°C)

*Wide Temperature (-40°C~85°C) models available upon request. Please contact your Transcend sales representative for more information.