Tested to withstand extreme environmental factors

[Watch Video](https://www.kingston.com/en/video/play?videoId=5MMPA6sGyJbo8K6CNyAje4MVDfyDDvw6fjEaSe5Sm5vq_Ebt1CffYMQTi9Ofstxtu5GK4s61BVBwHmQhB9boIg2&start=0&autoPlay=False&chromeless=False&captionOption=No)

Industrial SD Memory Card

* [Intro](https://www.kingston.com/en/memory-cards/industrial-grade-sd-uhs-i-u3#product-features)
* [Key Features](https://www.kingston.com/en/memory-cards/industrial-grade-sd-uhs-i-u3#key-feature)
* [Product Comparison](https://www.kingston.com/en/memory-cards/industrial-grade-sd-uhs-i-u3#comparison-chart-1)
* [Specifications](https://www.kingston.com/en/memory-cards/industrial-grade-sd-uhs-i-u3#specifications)
* [Resources](https://www.kingston.com/en/memory-cards/industrial-grade-sd-uhs-i-u3#links)
* [Datasheet](https://www.kingston.com/datasheets/sdit_us.pdf)

[**Buy**](https://www.kingston.com/en/memory-cards/industrial-grade-sd-uhs-i-u3#atc)

Industrial SD Memory CardIdeal for Extreme Conditions

Kingston’s Industrial SD card delivers superior endurance and reliability across industrial applications including automation, telecommunication, data systems, building management and POS systems. It is designed and tested to withstand the most demanding environmental factors. With an operating temperature of -40°C to 85°C, Kingston’s Industrial SD card can operate normally in extended temperature ranges. The card utilizes the industry-leading pSLC mode to provide reliable read/write speeds up to 100/80MB/s1. It is rated up to 1920 TBW2 with 30K P/E cycles and a built-in feature set specific to endurance, performance, and industrial needs. Kingston’s Industrial SD is available in capacities from 8GB-64GB3.

* Durable in Extreme Temperatures
* High Endurance
* UHS-I Speed Class U3, V30, A1
* Industrial Grade Built-In Features

Key Features



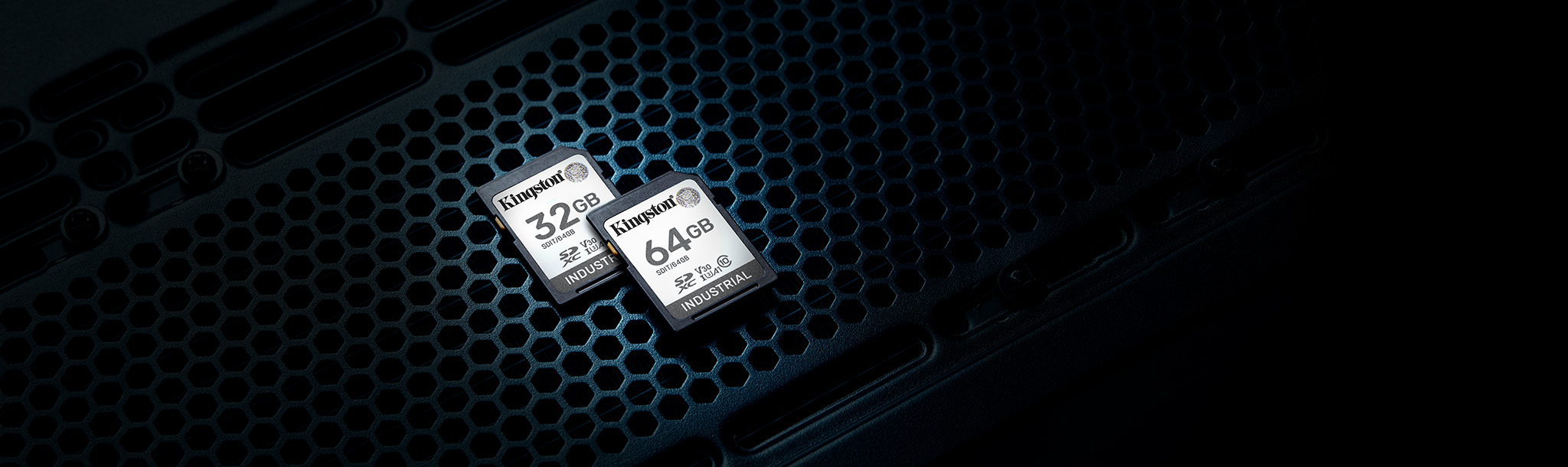
Durable in extreme temperatures

Designed and tested to withstand an extended temperature range of -40°C to 85°C for use in harsh conditions.



High endurance and reliability

Up to 1920 TBW2 and rated to endure 30K P/E cycles to meet requirements for a wide range of industrial applications.



UHS-I compliant

Read/write speeds up to 100/80MB/s1 with U3, V30, and A1 support for Android based applications.



Industrial grade built-in features

Wear Leveling, Bad Block management and an optional health monitoring tool to manage the lifespan of your card4.

Compare SD Cards

SDS2

SDG3

SDR2

SDR2V6

SDIT











Name

Canvas Select Plus

Canvas Go! Plus

Canvas React Plus SD

Canvas React Plus V60 SD

Industrial SD

User

Consumer

Consumer-Enthusiast

Professional

Professional

Business/ Industrial

Capacity

64GB-512GB

64GB - 1TB

32GB-256GB

128GB-1TB

8GB-64GB

Speed

• 100MB/s Read (64GB)  
• 100MB/s Read, 85MB/s Write (128GB-512GB)

• 170MB/s Read, 70MB/s Write (64GB)  
• 170MB/s Read, 90MB/s Write (128GB-1TB)

300MB/s Read, 260MB/s Write

• 280MB/s Read, 100MB/s Write (128GB)  
• 280MB/s Read, 150MB/s Write (256GB-1TB)

Up to 100MB/s Read, 80MB/s Write

Compatibility

Yes

UHS-I, U3, V30

UHS-II, U3, V90

UHS-II, U3, V60

UHS-I Speed Class U3, V30, A1

Usage

• Point and shoot cameras  
• Full HD videos

for shooting 4K UHD video and burst-mode photography

• 8K/3D/VR Video Production  
• UHS-II Cinema Cameras  
• DSLR

• 4K Video  
• UHS-II Cinema Cameras  
• DSLR

• Designed and tested to be durable in extreme temperatures

[Learn more](https://www.kingston.com/en/memory-cards/canvas-select-plus-sd-card)

[Learn more](https://www.kingston.com/en/memory-cards/canvas-go-plus-sd-card)

[Learn more](https://www.kingston.com/en/memory-cards/canvas-react-plus-sd-card)

[Learn more](https://www.kingston.com/en/memory-cards/canvas-react-plus-sd-v60)

[Learn more](https://www.kingston.com/en/memory-cards/industrial-grade-sd-uhs-i-u3)

 Reset Chart

 Remove

 Remove

 Remove

 Remove

 Remove

Capacity

 8GB

 16GB

 32GB

 64GB

* Part Number: SDIT/8GB
* SDHC/SDXC industrial card
* 3-year warranty

[**Where to Buy**](https://www.kingston.com/en/wheretobuy)

Specifications

|  |  |
| --- | --- |
| Capacities3 | 8GB, 16GB, 32GB, 64GB |
| Speed1 | Up to 100MB/s read, 80MB/s write |
| Performance1 | Class 10, UHS-I, U3, V30, A1 |
| Endurance2 | Up to 1920 TBW 30K P/E cycles |
| NAND | TLC in pSLC mode |
| Dimensions | 24mm x 32mm x 2.1mm |
| Format | FAT32 for SDHC and exFAT for SDXC |
| Operating & Storage Temperature | -40°C to 85°C |
| Voltage | 3.3V |
| Industrial Features | • Bad Block Management • Power Failure Protection • Wear Leveling • Auto-Refresh Read Distribution Protection • Dynamic Data Refresh • SiP – System in Package • Garbage Collection • Health Monitoring |
| Durability | Waterproof5 Temperature proof6 Protected from airport x-rays7 |
| Thermal Cycle Testing | Interval testing completed at various extreme temperatures |
| Vigorous Temperature Humidity Bias | Several hundred hours of testing to ensure durability at varying levels of humidity |
| Wide Temp Chamber Testing | Completed on all SDIT cards prior to production |
| Warranty4 | 3 years |