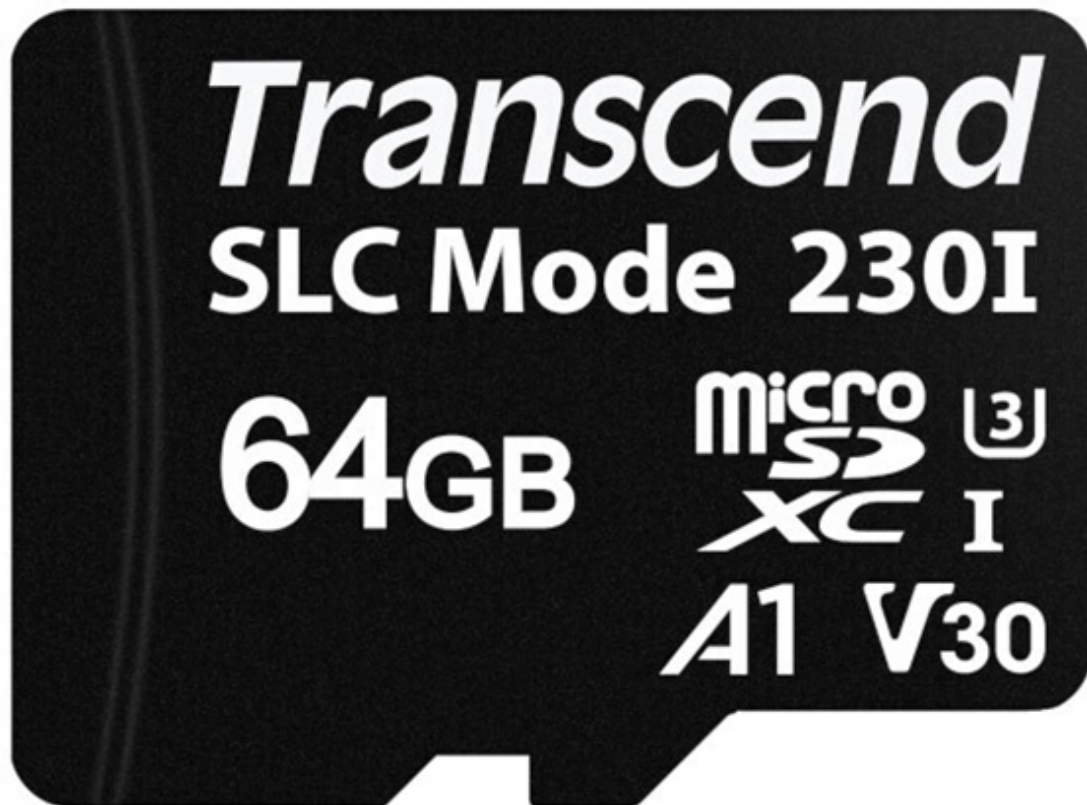


Transcend MicroSD Cards with SLC Caching

Written by Frederick Douglas
06. April 2020

Transcend launches the USD230I, a range of microSD cards with support for pseudo-SLC caching to boost burst write speeds. The company claims the cards offer data transfer speeds of up to 100MB/s, while random read/write reaches 3400 IOPS.



The cards carry both A1 and V3 badges, meaning they can be used to install Google Android applications with a minimum write speed of up to 30MB/s, or good enough for 4K video shooting. First introduced back in 2017, so far pseudo-SLC caching has not been used in other memory cards. The USD230I range uses 3D TLC NAND memory, necessitating the need for pSLC caching to boost writing performance.

The company adds the cards can operate in temperatures ranging from -40°C to 85°C, and are ideal for intense industrial use cases such as medical devices, surveillance systems and

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POS terminals. Further boosting durability and reliability are built-in ECC (Error Correction Code) and SMART functionality.

The USD230I range is available in 8, 16, 32 and 64GB capacities. The 8GB model is rated at 36 terabytes to be written (TBW), the 16/32GB models are rated at 70TBW, and the 64GB card is 140TBW.

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