

DELKIN DEVICES

Rugged Controlled Storage.®

Industrial SD Cards

Product Highlights

- SD 3.0 Compliant and 2.0, 1.1 Standards
- Supports SD and SPI Modes
- 2.7 - 3.6 V Normal
- SMART Functionality
- -40° to 85° C Operating Temp
- 60,000* P/E Cycles
- Power Fail Safety & Bad Block Management



	<i>Industrial SLC SD</i>	<i>Industrial SLC SD</i>	<i>Utility SD</i>	<i>COEM</i>
Series Available	D330*	D500*	Utility +	
Capacities Available	128MB - 32GB	512MB - 16GB	4GB - 128GB	16GB
Flash Type	Single Cell (SLC)	Single Cell (SLC)	Multi Cell (MLC)	3D
Speed Rating	SD 3.0, Class 10	SD 3.0 & 6.0	SD 3.0, Class 10	SD 6.0, Class 10
Operating Temp	-40 to 85° C	-40 to 85° C	-25 to 85° C	-25 to 85° C
Read Speed	65MB/s	8.3 MB/s (Random)	95 MB/s	95 MB/s
Write Speeds	55MB/s	4.5 MB/s (Random)	90 MB/s	30 MB/s
MTBF (hours)	> 3 million hours	> 3 million hours	> 3 million hours	1 million hours
SMART Feature	yes	yes	yes	no

Product Description

The Delkin Industrial SD Memory Card is a reliable NAND flash storage solution for industrial applications that utilizes the Secure Digital interface. Delkin offers industrial-grade high endurance SLC NAND flash SD card solutions in the D330, D400, and D500 Series, and cost-effective MLC/ Industrial 3D NAND flash versions in the Utility and Utility+ Series. Delkin also offers the COEM Series of SD card. COEM series is a cost-optimized product family ideal for OEM applications needing economical, yet durable and reliable 3D NAND flash storage. Delkin Industrial, Utility and Utility+ Series SD cards features a controlled Bill of Materials (BOM), Life Cycle Management, outstanding applications support, and strictly adheres to the specifications set forth by the Secure Digital Association.

While SD cards primarily began in 1999 as a storage medium for consumer electronics, key characteristics such as small size, low power consumption, high reliability, and simplicity of integration also make the form factor an ideal fit for many industrial applications with limited real estate for storage.