

Industrial SLC microSD

Product Highlights

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



| Capacity | U331C Series | U500 Series |
|----------|-------------------|-------------------|
| 128 MB | S312TLKJM-C1000-3 | |
| 256 MB | S325TLMJM-C1000-3 | |
| 512 MB | S351TLNJM-C1000-3 | S351TLNVE-C1000-3 |
| 1 GB | S30GTLNJM-C1000-3 | S30GTLNVE-C1000-3 |
| 2 GB | S302TLNJM-C1000-3 | S302TLNVE-C1000-3 |
| 4 GB | S304TLNJM-U1000-3 | |

Product Description

The perpetual drive to shrink electronics has made the tiny microSD form factor the fastest growing segment in the industrial and OEM space in recent years. Since industrial microSD cards are constructed as an encapsulated SIP (System In Package), they are also extremely rugged from a mechanical standpoint, and able to withstand environments subject to shock and vibration. Whether just 512MB is needed to boot an application or 4GB is needed for extensive data logging, Delkin has a high endurance industrial SLC microSD option available, rated for full industrial temperature operation. Configurations are also available with SMART capability, allowing users to monitor the status of the card, including program/erase cycles consumed, spare block status, power cycles and an estimated remaining life. Delkin provides a dashboard tool for off-line SMART monitoring or the card data can be accessed directly via a library or SD commands.

As contrasted with commercial grade microSD cards, which can have frequent configuration changes to reduce cost, Delkin U331C and U500 Series Industrial microSD cards are controlled with a locked bill of materials. This means that no changes can be made to the flash, controller or firmware configuration without a part number change. Delkin also understands the importance of life cycle management, so that when a part must be discontinued, users are notified in advance, offered a last time buy opportunity and provided with qualification samples of the replacement part.

Delkin offers customization of industrial microSD's, including custom pad printing or content loading, and the cards are available with adapters converting them to full size SD.