

EnduroSLC™ Technology

Superior Data Retention and Endurance



EnduroSLC™ is a proprietary 3D NAND management technology developed by Greenliant for high reliability applications requiring superior data retention and endurance in extreme temperature, high stress environments. With advanced hardware ECC capabilities and NAND flash management algorithms, EnduroSLC Technology significantly extends the write endurance of 1-bit-per-cell (SLC) SSDs reaching industry leading 400K program-erase (P/E) cycles. EnduroSLC enabled products meet robust data retention requirements under complex temperature conditions and support high cross-temperature ranges between data programming and reading. Due to its substantially lower bit error rate, an EnduroSLC SSD provides better consistency in read/write performance throughout product lifetime.

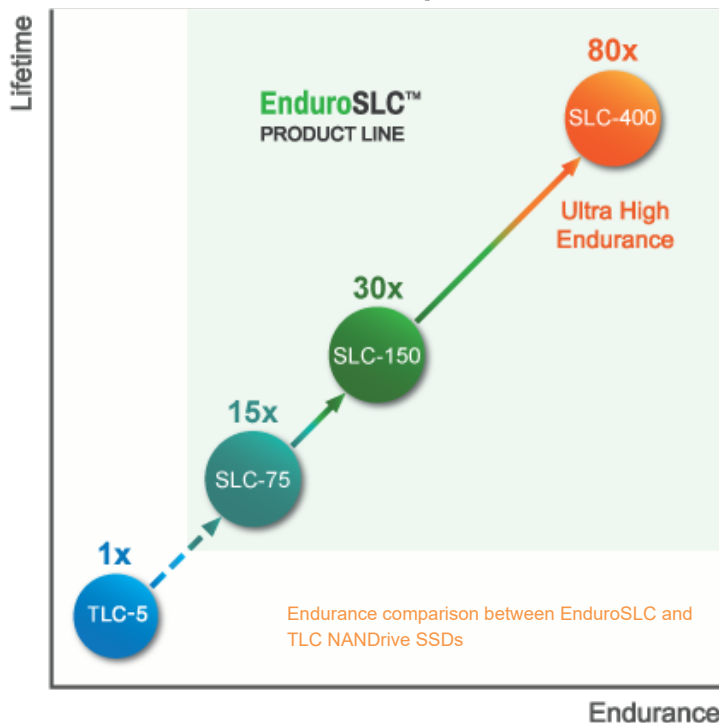
EnduroSLC™ Advantage

EnduroSLC SSDs offer a high reliability flash storage solution with ultra-robust data retention and ultra-high write endurance that exceeds capabilities of legacy, planar SLC NAND based products. Available in industry standard 2.5", U.2 and BGA form factors, Greenliant's EX Series NANDrive™ and Industrial Enterprise SSDs with EnduroSLC Technology support extended temperature ranges (-40°C to +85°C*), and are ideal for systems operating in severe conditions, requiring high reliability data storage at a lower cost per GByte.

EnduroSLC NANDrive SSDs offer endurance options of 75K up to unparalleled endurance of 400K P/E cycles, and EnduroSLC Industrial Enterprise SSDs can reach a write endurance of 280 PetaBytes Written (PBW). Greenliant's NANDrive BGA SSDs with EnduroSLC Technology can withstand multiple passes of SMT high temperature process without losing data. System designers can take advantage of the wide range of popular form factors supported by EnduroSLC SSDs that will meet and exceed the needs of their mission critical applications.

*NVMe NANDrive SSDs support up to 95°C (Tc) operations

Endurance Comparison



Applications

- Industrial automation
- Industrial control
- Single-board computer
- Telematics / Navigation
- Test and measurement
- Data acquisition
- Industrial gaming
- Transportation equipment
- Point-of-Sale terminal
- Wireless base station
- Router / Switch / Gateway
- Aerospace system
- Medical equipment
- Security system
- Robotics

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Greenliant SSDs with EnduroSLC Technology



NANDrive™ — Small Form Factor BGA SSDs

Ideal for Write Intensive Applications and Space Constrained Designs

NANDrive	NVMe	SATA
Part Number	GLS85LE1xxxG/Q	GLS85LS1xxxG/Q
Interface	PCIe Gen3x4	SATA 6Gb/s
Endurance	75K / 150K*	75K / 150K*
Capacity	20GB, 40GB, 80GB, 160GB	16GB, 32GB, 64GB, 128GB
Package Type / Dimensions (mm)	291-ball LFBGA / 16 x 20 x 1.40 291-ball FBGA / 16 x 20 x 1.85 (160GB)	145-ball BGA / 14 x 24 x 1.50

*Program-erase cycles: 400K offered as a special Built to Order (BTO) option up to the second highest capacity listed for each product / additional terms apply



Industrial Enterprise — High Capacity SSDs

Designed for High Performance, High Reliability Systems

Industrial Enterprise	SATA 2.5"	NVMe U.2
Part Number	G32UxxxP	G72UxxxP
Interface	SATA 6Gb/s	PCIe Gen3x4
Endurance	Unrestricted DDPD for 5 years**	30 DDPD for 5 years**
Capacity	800GB, 960GB, 1.6TB, 1.92TB	
Form Factor / Dimensions (mm)	2.5-inch / 100.5 x 68.5 x 9.5	

**Drive Writes Per Day (DDPD)

- [linkedin.com/company/Greenliant](https://www.linkedin.com/company/Greenliant)
- [X.com/Greenliant](https://www.x.com/Greenliant)
- [facebook.com/Greenliant](https://www.facebook.com/Greenliant)
- WeChat ID: Greenliant

NANDrive FAQs: www.greenliant.com/support/NANDriveFAQs
Long-Term Availability: www.greenliant.com/support/LTAprogram

For more information, contact your Greenliant representative: www.greenliant.com/sales

