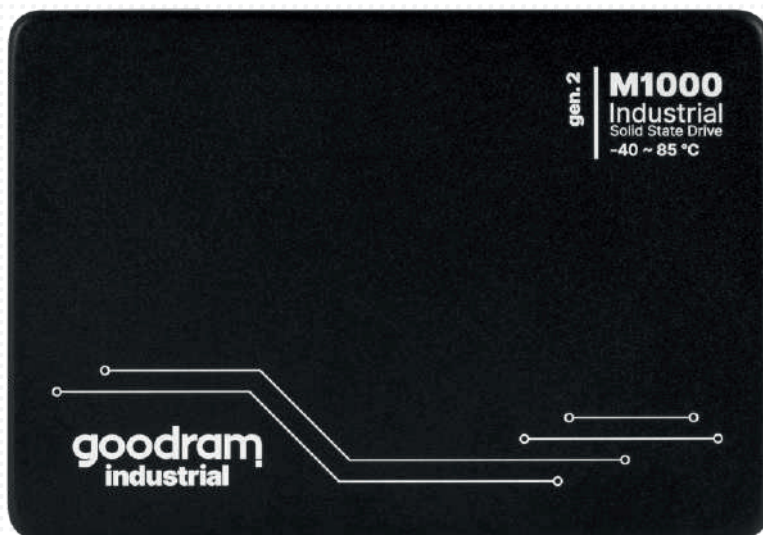


2.5" SATA is the most common form factor of Solid State Drives. All SSDs can be configured with 3D TLC, 3D pSLC, MLC, pSLC and SLC NAND Flash. They provide up to 550 MB/s of fast data transfer, low power consumption and advanced power management modes. With ruggedness resulting from absence of moving parts and low power consumption, Solid State Drives are optimal for both desktop and mobile applications.



2.5" S ATA Solid Stat e Driv e

Flash type	3D TL C	3D pSL C	MLC	pSL C	SL C
Program/Erase cycles	3 000	50 000	3 000	20 000	60 000
Capacity	64 GB – 2 TB	32 GB – 512 GB	4 GB – 512 GB	8 GB – 256 GB	8 GB – 128 GB
Inter face	SATA III				
Key features	Static and Dynamic Wear Leveling Bad Block Management TRIM S.M.A.R.T. NCQ Over-provisioning Low Power Management Thermal Throttling DEVSLP Mode (optional) PLP (optional) Build from major IC grades FIX BOM (optional) PCN and EOL notification				
Operating temperature (°C)	0 – 70 -40 – 85	0 – 70 -40 – 85	0 – 70 -25 – 85 -40 – 85		-25 – 85 -40 – 85
Storage temperature (°C)	-40 – 85				
Maximum transfer speed (MB/s)	Read: up to 550 Write: up to 500	Read: up to 550 Write: up to 510	Read: up to 550 Write: up to 490	Read: up to 545 Write: up to 465	Read: up to 540 Write: up to 425
Maximum power consumption (mW)	< 1 750	< 1 450	< 2 650	< 2 630	< 2 300
MTBF	> 2 000 000	> 3 000 000	> 2 000 000		
Environmental tests resistance	High/Low temperature High Humidity (55%, 95% RH) Temperature Cycle (30 min, 20 cycles) Shock (1 500 G, Half Sin Pulse) Vibration (80 – 2 000 Hz/20 G in 3 Axis) Free Fall (0.8 m) Torque (0.1 N/m, 30 sec/5 times) Bending (>20 N for 1 min/5 times) Contact ESD (±4 KV contact 25 times)				
Dimensions ((L × W × H) (mm))	100 × 69.85 × 7				