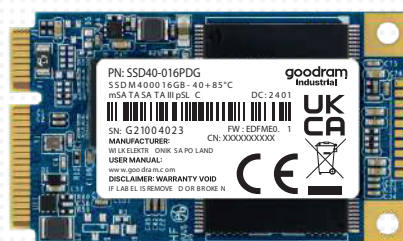


SSD mSATA is a type of Flash memory that can be installed directly on the motherboard. It is 80% smaller than the 2.5", thus it takes up minimal space. Compatibility with the SATA I, II and III standards means that these devices can be installed in any device having an mSATA port. As with the entire range of SSD memories, the absence of moving parts and low power consumption make it an optimum choice of data storage medium in mobile systems.



mS ATA Solid State Drive					
Flash type	3D TLC	3D pSLC	MLC	pSLC	SLC
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	2 GB – 512 GB	8 GB – 128 GB
Interface	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) Build from major IC grades FIX BOM (optional) PCN and EOL notification				
Work temperature (°C)	0 – 70 -40 – 85			0 – 70 -25 – 85 -40 – 85	0 – 70 -40 – 85
Storage temperature (°C)	-40 – 85				
Maximum R/W (MB/s)	Read: up to 550 Write: up to 510		Read: up to 550 Write: up to 490		Read: up to 540 Write: up to 425
Maximum power consumption (mW)	< 1 750	< 1 350	< 2 690		< 2 250
MTBF	> 2 000 000	> 2 500 000	> 2 000 000		
Environment test 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))	50.8 × 29.85 × 4				