

# 2.5" Solid State Drive



## ORANGE+

**Features:**

- Capacity: 128GB, 256GB, 512GB, 1TB
- Internal Cache
- Form Factor: 2.5" (HDD compatible)
- Supports 1-port 1.5/3.0/6.0Gbps SATA I/II/III interface.
- SMART feature set and 48-bit Address feature set
- Compatibility: Full SATA hard disk compatible
- Ultra-rugged and reliable
- High-speed performance
- Silent, no moving parts
- Data retention: JESD47 compliant
- Proprietary wear leveling algorithms
- 100% tested hardware and software
- Support Industrial Temperature Requirements(optional)



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### SPECIFICATION

#### System Requirements

Operating Voltage Requirement	Vcc = 5.0V +/-5%
Operating System	Supported by all operating systems
Interface	SATA 6.0Gbps (SATA-III) or SATA 3.0Gbps (SATA-II) or SATA 1.5Gbps (SATA-I)

#### Physical Specifications

Length	54.00 ± 0.20 mm
Width	53.40± 0.20 mm
Thickness	5.70 ± 0.20 mm

#### Data Transfer Speed (R / W)

Seq. Read / Write	530* MB/s / 515* MB/s (128GB, 256GB, 512GB, 1TB)
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#### Performance Specifications

Access Time	0.1 ms
Seek Time	0 ms
Mount Time	Dependent on system HW and SW
Power on to Ready	Dependent on system HW and SW
Data Transfer Time	Rated Data Transfer Speeds are maximums based on Crystal Disk Mark 6.0

#### Environmental Specifications

Operating Temperature	Commercial Grade: 0°C to +70°C, Industrial Grade: -40°C to +85°C
Humidity	5% to ~98% RH
Operating Shock	1500G
Operating Vibration	16G
Operating Altitude	Operation: 120,000ft

Model No:	S1-O2-128	S1-O2-512
	S1-O2-256	S1-O2-1TB