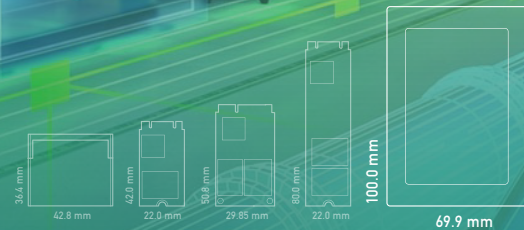


E20B

- Surveillance / Edge AI • Factory Automation • Smart Retail
- Military / Defense • Gaming • Healthcare



SATA III 6Gb/s | 2.5 Inch

addlink E20B 2.5" SATAIII SSDs use industrial grade controller and is equipped with 112 Layer 3D TLC (BICS5) NAND flash to deliver low power consumption and high-performance SSD, making it the best industrial storage solution for embedded system. addlink E20B is compliant with TCG OPAL for data security. It also supports the latest LDPC ECC, advanced wear leveling, end-to-end data protection, power failure protection, and over-provision technology to ensure data accuracy and integrity for a longer SSD lifetime. The E20B SSD is available in 240GB to 7680GB capacities and comes with addlink's Toolbox software for easy management and real-time monitoring. It is an ideal solution for surveillance, edge AI, factory automation, smart retail, military, gaming, and healthcare applications.

Specifications

Form Factor / Interface	2.5" / SATA III
Connector	7 + 15 pin SATA
DRAM / Flash	DDR4, DDR3 / 3D TLC
Capacity	240GB~7680GB
Sequential Read/Write (up to)	R: 550 MB/s, W: 520 MB/s
Random Read/Write (up to)	R: 98k IOPS, W: 88k IOPS
Supply (V)	5V + -5%
Max. Endurance	14,000 TBW (7680GB)
Max. Power Consumption (R/W)	2.6/3.7W
Max. Idle Power Consumption	1.5W
Shock / Vibration	1500G0-P/0.5ms duration, 20Hz~80Hz/1.52mm 80Hz~2000Hz/20G
Operating Humidity	5%-95% RH, non-condensing
Operating Temperature	Standard: 0°C to 70°C, Industrial: -40°C to 85°C
MTBF	1.5M hrs
Security (Optional)	TCG OPAL 2.0 Compliant
Technologies	LDPC ECC, Thermal Throttling, SLC Cache, Wear Leveling, End to end data protection, TRIM command, S.M.A.R.T.

Features

- AES-256-bit Encryption & TCG-OPAL 2.0 Compliant*
 - Support DEVSLP Mode*
 - Low Power Consumption
 - Power Failure Protection*
 - LDPC with RAID ECC
 - Thermal Protection Mechanism
 - SMART Toolbox for SSD health monitoring
 - End to end data protection
 - Wide-temperature support: -40°C to 85°C
- * It's optional function and support by specific firmware



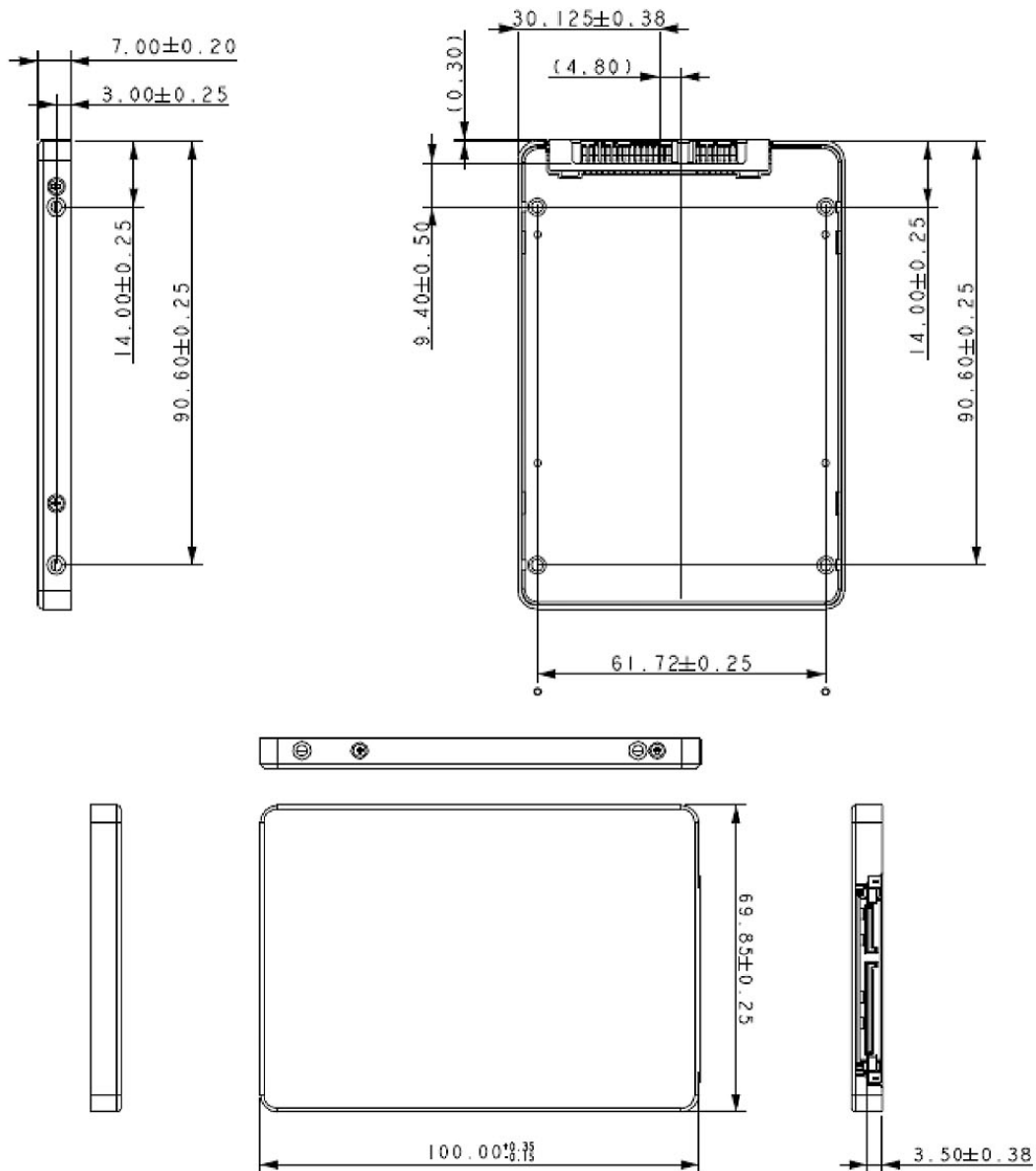
TCG OPAL	Write Protect	Secure Erase	Crypto Erase	ToolBox	Advance Thermal Solution	Power Failure Protection	DEVSLP Mode
○	○	●	○	●	○	○	○

● Default Implemented ○ On Request - Not Available



Dimensions

- 100mm (L) x 69.85mm (W) x 7mm (H)



Ordering Information

Capacity	Commercial (0°C~70°C)	Industrial (-40°C~+85°C)
240GB	ad240GBE20BTC	ad240GBE20BTA
480GB	ad480GBE20BTC	ad480GBE20BTA
960GB	ad960GBE20BTC	ad960GBE20BTA
1920GB	ad1920GBE20BTC	ad1920GBE20BTA
3840GB	ad3840GBE20BTC	ad3840GBE20BTA
7680GB	ad7680GBE20BTC	ad7680GBE20BTA

