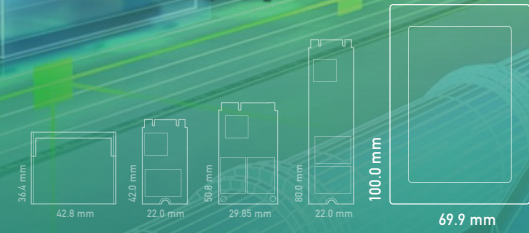


E20C

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



SATA III 6Gb/s | 2.5 Inch

addlink E20C 2.5" SATAIII SSDs use industrial grade controller and are 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 E20C is compliant with TCG OPAL for data security. It also supports the latest LDPC ECC, advanced wear leveling, bad block management, and over-provision technology to ensure data accuracy and integrity for a longer SSD lifetime. The E20C SSD is available in 128GB to 2TB 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 |
| Flash | 3D TLC |
| Capacity | 128GB~2048GB |
| Sequential Read/Write (up to) | R: 550 MB/s, W: 510 MB/s |
| Random Read/Write (up to) | R: 44.5k IOPS, W: 78.5k IOPS |
| Supply (V) | 5V + -5% |
| Max. Endurance | 2,900 TBW (2TB) |
| Max. Power Consumption (R/W) | 1.5/1.8 W |
| Max. Idle Power Consumption | 0.215W |
| 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 | 3M hrs |
| Security (Optional) | TCG OPAL 2.0 Compliant |
| Technologies | LDPC ECC, Thermal Throttling, SLC Cache, Wear Leveling, Bad block management, TRIM command, S.M.A.R.T. |

Features

- AES-256-bit Encryption & TCG-OPAL 2.0 Compliant*
- Support DEVSLP Mode*
- Low Power Consumption (Max. Read/Write <1.75W)
- LDPC with RAID ECC
- Thermal Protection Mechanism
- SMART Toolbox for SSD health monitoring
- Wide-temperature support: -40°C to 85°C

* It's optional function and support by specific firmware



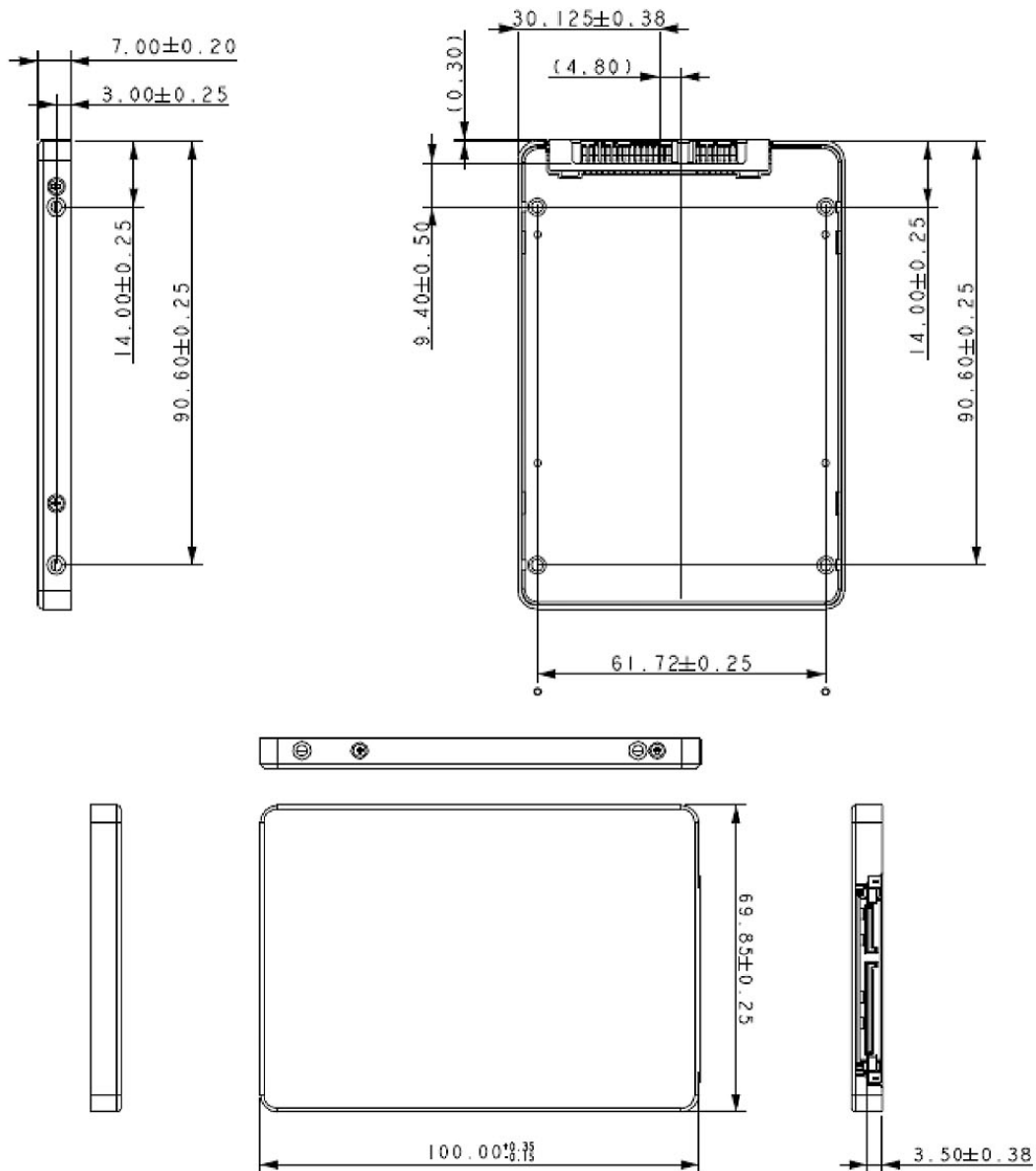
| | | | | | | |
|----------|---------------|--------------|--------------|---------|--------------------------|-------------|
| | | | | | | |
| TCG OPAL | Write Protect | Secure Erase | Crypto Erase | ToolBox | Advance Thermal Solution | DEVSLP Mode |
| ○ | ○ | ● | ○ | ● | ○ | ○ |

● 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) |
|----------|-----------------------|--------------------------|
| 128GB | ad128GBE20CTC | ad128GBE20CTA |
| 256GB | ad256GBE20CTC | ad256GBE20CTA |
| 512GB | ad512GBE20CTC | ad512GBE20CTA |
| 1TB | ad1TBE20CTC | ad1TBE20CTA |
| 2TB | ad2TBE20CTC | ad2TBE20CTA |

